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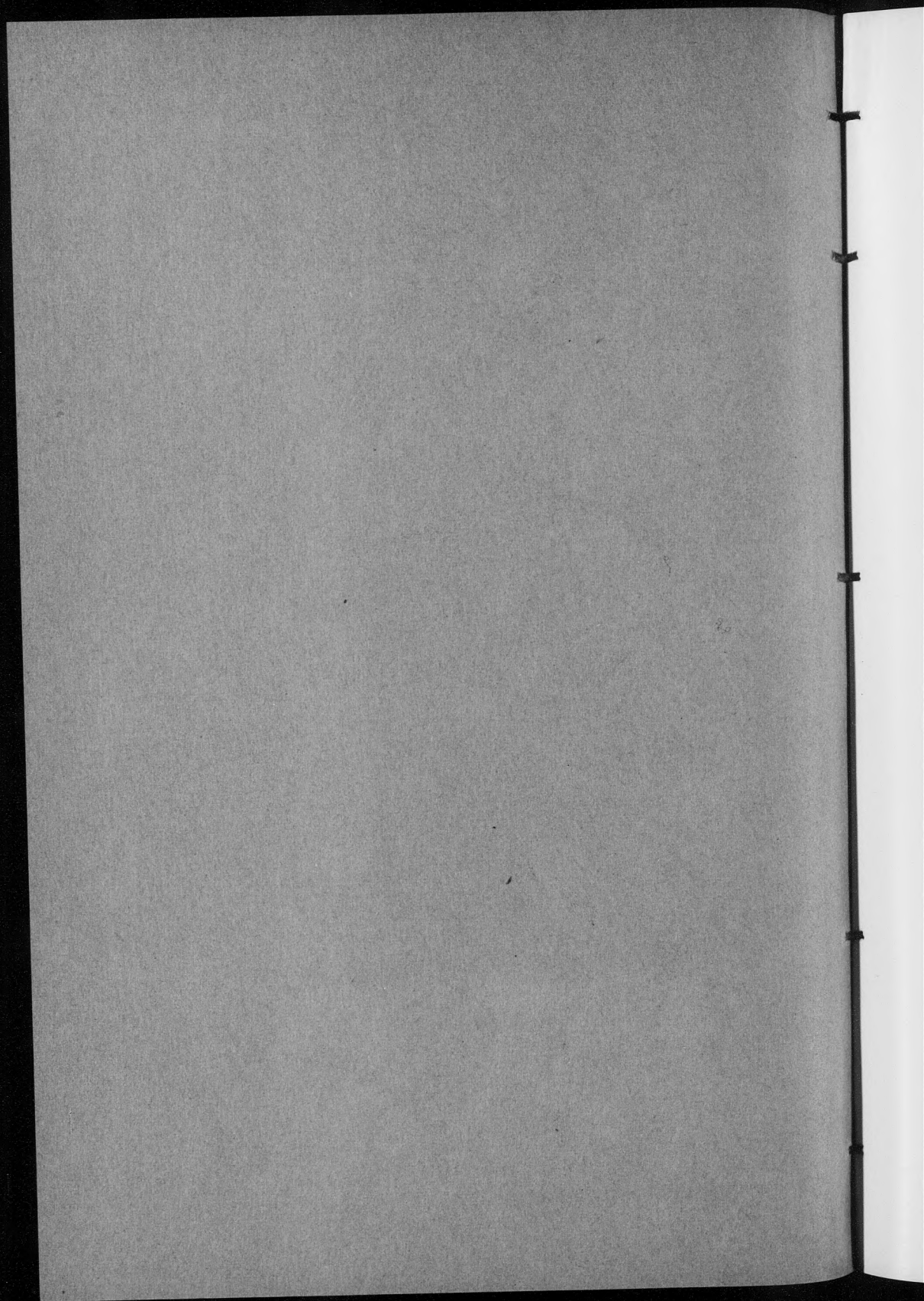
**Commercial Fertilizers
Commercial Feeds and
Agricultural Liming
Materials**

STATE INSPECTION SERVICE

UNIVERSITY OF MARYLAND

College Park, Maryland

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GENERAL INTRODUCTION

The administration of the feed, fertilizer, and lime laws of Maryland has been delegated to and is the responsibility of the State Inspection Service, a branch of the Department of Chemistry of the University of Maryland. Feeds for all domestic animals and poultry, as well as all fertilizing materials and limes are sampled and analyzed twice each year. This assures purchasers that guarantees and other warranties on packages are being substantiated.

There seems to be a trend on the part of some control agencies toward paternalism in law enforcement work as it applies to certain agricultural commodities. This may be illustrated by a provision in a recently passed State Law which gives authority to the administrative officer, if he so desires, to prevent the sale of a new feed for a period of 90 days, in order that he may ascertain whether it is suitable for animal or poultry use. It is questionable whether this inhibition is wise or justifiable from the standpoint of either the consumer, control official, or manufacturer. It seems that problems of this kind as well as those of an educational nature should be conducted by those agencies now in existence and which were especially created for these purposes.

The enforcement agency in Maryland feels that efficient inspection should begin and end with the proper policing of the products being merchandised. Elimination of all forms of misbranding, adulteration, and misrepresentation should constitute the main duty of a regulatory unit. Every honest effort is being made to follow this policy.

SAMPLES ANALYZED

During the first six months of this year official representatives collected from dealers' warehouses, on trucks, or in transit, 815 samples of commercial fertilizers, which were subjected to chemical examination.

This bulletin also contains the results of the 1938 green house test with commercial legume cultures. This work was performed by the Department of Bacteriology, for which the Inspection Service is most grateful.

There is also included in this publication the results of chemical and microscopical examinations upon 1462 samples of feed.

Eighty-six samples of agricultural liming materials secured during the Spring season were examined and reported to manufacturers and, when possible, to consumers.

In addition to analysis of official samples included in this publication, 423 samples drawn and forwarded to this Department by purchasers have been examined and the results obtained transmitted to the parties particularly interested.

FERTILIZER ANALYSES

The pages immediately following contain results obtained in the examination of fertilizer taken by State Inspectors from January 1 to June 1, 1939.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)				PHOSPHORIC ACID (P205)		POTASH (K2O)		Acidity A Basicity B		
		Total	Mineral		Organic	Insol- uble	Available	FOUND	FOUND			
			Declared	FOUND							Declared	FOUND
The Acme Guano Co., Baltimore, Md.												
Acme 6-6-5	Vienna	6.00	6.09	4.80	5.28	.81	.30	6.00	6.30	5.00	5.28 501 A	
Acme 6-6-5	Hurlock	6.00	6.11	4.80	5.36	.75	.70	6.00	6.00	5.00	5.90 523 A	
Acme 6-6-5	Vienna	6.00	6.60	4.80	5.70	.90	.50	6.00	6.10	5.00	6.70 475 A	
Acme 6-6-5	Hurlock	5.00	5.11	4.00	4.07	1.00	1.04	10.00	10.60	5.00	6.14 321 A	
†Acme 5-10-5	Vienna	5.00	5.63	4.00	5.00	.63	.70	8.00	7.80	12.00	12.14 466 A	
Acme 5-8-12	Hurlock	5.00	5.31	4.00	4.65	1.00	.66	9.00	8.00	12.00	12.40 400 A	
Acme 5-8-12	Vienna	5.00	5.55	4.00	4.78	1.00	.77	8.00	8.50	12.00	12.02 443 A	
Acme 6-8-12	Reisterstown	4.00	3.71	3.20	3.09	.80	.62	8.00	8.00	8.00	10.40 364 A	
Acme 4-8-8	Vienna	4.00	4.02	3.20	2.98	.80	1.04	8.00	8.10	7.00	7.60 322 A	
Acme 4-8-7	Bel Air	4.00	4.00	3.20	3.38	.80	.62	8.00	7.70	7.00	7.60 142 B	
Acme 4-8-7	Hurlock	4.00	4.04	3.20	3.34	.80	.70	8.00	8.00	7.00	7.80 222 A	
Acme 4-8-7	Vienna	4.00	4.14	3.20	3.37	.80	.77	8.00	8.20	7.00	8.42 314 A	
Acme 4-8-7	Hurlock	4.00	4.14	3.20	3.37	.80	.77	8.00	8.20	6.00	6.36 230 A	
Acme 3-12-6	Vienna	3.00	3.59	2.40	2.91	.60	.68	12.00	12.20	6.00	6.36 230 A	
Acme 3-8-10	Vienna	3.00	4.02	2.40	3.51	.60	.51	3.00	8.00	10.00	11.18 268 A	
Acme 2-12-6	Reisterstown	2.00	2.26	1.60	1.80	.40	.46	5.00	12.00	6.00	6.44 260 A	
Acme 2-12-6	Bel Air	2.00	2.06	1.60	1.52	.40	.54	5.00	12.00	6.00	6.44 277 B	
Acme 2-9-5	Bel Air	2.00	2.06	1.60	1.57	.40	.49	5.00	9.00	5.00	6.40 387 B	
Acme 2-9-5	Hurlock	2.00	2.02	1.60	1.47	.40	.55	7.00	9.00	5.00	5.40 43 B	
Acme 2-9-5	Hurlock	2.00	2.02	1.60	1.47	.40	.55	7.00	9.00	5.00	5.40 43 B	
Acme 2-8-10	Hurlock	2.00	2.42	1.60	1.60	.40	.82	8.00	9.90	10.00	10.80 44 A	
Acme 2-8-10	Vienna	20.50	20.60									
†Acme Sulphate of Ammonia	Vienna						.50	12.00	12.00	8.00	11.34	
†Acme 0-12-8	Vienna											
The American Agricultural Chemical Co., Baltimore, Md.												
AA Slingluff's 10% Top Dresser 10-5-2	Baltimore	10.00	10.08	9.00	9.18	1.00	.90	5.00	5.30	2.00	2.28 766 A	
AA Slingluff's 10% Top Dresser 10-5-2	Baltimore	10.00	10.00	9.00	8.68	1.00	1.32	5.00	5.60	2.00	2.20 741 A	
AA Tobacco Plant Bed Fertilizer-Sulphate 8-5-2	Baltimore	8.00	8.05	7.20	7.28	.80	.77	5.00	5.90	2.00	2.80 588 A	
AA Tobacco Plant Bed Fertilizer-Sulphate 8-5-2	Sunderland	8.00	7.46	7.20	6.60	.80	.86	5.00	5.30	2.00	2.50 500 A	
AA Tobacco Plant Bed Fertilizer-Sulphate 8-5-2	Owings	8.00	7.73	7.20	6.86	.80	.87	5.00	5.50	2.00	2.60 532 A	

Agrico for Top Dressing 7-7-7.

†Agrico for Lawns, Trees & Shrubs 7-7-5

AA Tobacco Bed Fert.-Sulphate 6-6-8

Baltimore

Silver Spring

Baltimore

		8.00	7.73	7.20	6.86	.80	.87	.40	5.00	5.50	2.00	2.60	532 A
		Owings											
Agrico for Top Dressing 7-7-7.		Baltimore.	7.00	7.16	6.30	6.54	.70	.62	.30	7.00	7.40	7.00	7.37 480 A
†Agrico for Lawns, Trees & Shrubs 7-7-5		Silver Spring	7.00	7.06	5.60	5.05	1.40	2.01	1.10	7.00	7.50	5.00	5.50 208 A
AA Tobacco Bed Fert-Sulphate 6-6-8		Baltimore	6.00	5.98	5.40	5.22	.60	.76	.60	6.00	6.70	8.00	8.08 465 A
Agrico for Potatoes-Tidewater 6-6-5		Baltimore	6.00	5.86	3.60	3.74	2.40	2.12	.40	6.00	6.50	5.00	5.80 135 A
Agrico for Potatoes-Tidewater 6-6-5		Baltimore	6.00	5.67	3.60	3.42	2.40	2.25	.40	6.00	6.10	5.00	5.50 128 A
Agrico for Potatoes-Tidewater 6-6-5		Pocomoke City	6.00	6.18	3.60	3.91	2.40	2.27	.60	6.00	6.70	5.00	5.20 113 A
Detrick's Gold Basis Fertilizer 6-6-5		Baltimore	6.00	5.96	4.50	4.59	1.50	1.37	.50	6.00	6.30	5.00	5.28 165 A
Detrick's Gold Basis Fertilizer 6-6-5		Baltimore	6.00	5.97	4.50	4.68	1.50	1.29	.30	6.00	6.50	5.00	5.28 277 A
Detrick's Gold Basis Fertilizer 6-6-5		Pocomoke City	6.00	5.96	4.50	4.62	1.50	1.34	.40	6.00	6.30	5.00	5.28 259 A
Agrico for Beans 5-10-5		Baltimore	5.00	5.00	4.00	4.03	1.00	.97	1.50	9.70	5.00	5.00	5.48 316 A
Agrico for Truck 5-10-5		Baltimore	5.00	5.12	4.00	4.17	1.00	.95	1.10	10.00	10.00	5.00	5.40 259 A
Agrico for Tobacco-Sulphate 5-8-12		Baltimore	5.00	5.01	4.00	3.90	1.00	1.11	1.10	8.00	8.40	12.00	11.72 295 A
Agrico for Melons 5-8-12		Baltimore	5.00	4.98	4.00	4.11	1.00	.87	.90	8.00	8.00	12.00	11.80 248 A
†Agrico for Melons 5-8-12		Baltimore	5.00	4.97	4.00	3.99	1.00	.98	.80	8.00	8.80	12.00	11.99 175 A
†Agrico for Gardens 4-10-4		Silver Spring	4.00	4.02	2.80	2.74	1.20	1.28	1.20	10.00	11.30	4.00	5.04 153 A
AA Prince George Tobacco Fertilizer-Sulphate 4-8-12		Upper Marlboro	4.00	3.99	3.20	3.09	.80	.90	.60	8.00	8.40	12.00	12.40 247 A
AA Prince George Tobacco Fertilizer-Sulphate 4-8-12		Baltimore	4.00	4.00	3.20	3.12	.80	.88	.60	8.00	8.50	12.00	12.42 355 A
AA Prince George Tobacco Fertilizer-Sulphate 4-8-12		Baltimore	4.00	4.02	3.20	3.05	.80	.97	.60	8.00	8.40	12.00	12.40 196 A
AA Red Leaf Tobacco Fertilizer-Sulphate 4-8-10		Baltimore	4.00	3.99	3.20	3.20	.80	.79	.40	8.00	8.70	10.00	10.50 218 A
AA Gladiator Fertilizer 4-8-8		Baltimore	4.00	4.10	3.20	3.14	.80	.96	.50	8.00	8.30	8.00	8.42 225 A
Agrico for Potatoes 4-8-8		Baltimore	4.00	4.02	3.20	3.10	.80	.92	.90	8.00	8.20	8.00	8.60 144 A
Agrico for Potatoes 4-8-8		Baltimore	4.00	3.97	3.20	3.28	.80	.69	.60	8.00	8.30	8.00	8.08 144 A
AA Golden Leaf Tobacco Fertilizer-Sulphate 4-8-7		Baltimore	4.00	4.00	3.20	3.13	.80	.87	.60	8.00	9.10	7.00	7.92 225 A
AA Early Trucker Fertilizer 4-8-5		Baltimore	4.00	3.99	3.20	3.30	.80	.69	.50	8.00	8.30	5.00	5.44 211 A
AA Early Trucker Fertilizer 4-8-5		Baltimore	4.00	3.99	3.20	3.17	.80	.82	.50	8.00	8.20	5.00	5.28 181 A
AA Climax Fertilizer 3-12-6		Baltimore	3.00	2.91	2.25	2.20	.75	.71	.90	12.00	12.60	6.00	6.70 144 A
Agrico for Corn 3-12-6		Baltimore	3.00	2.98	2.25	2.32	.75	.66	1.20	12.00	12.00	6.00	6.29 75 A
Agrico for Tomatoes 3-12-6		Baltimore	3.00	3.14	2.25	2.39	.75	.75	1.90	12.00	11.10	6.00	6.44 171 A
Agrico for Tomatoes 3-12-6		Baltimore	3.00	3.03	2.25	2.47	.75	.56	1.20	12.00	12.00	6.00	6.30 97 A
Agrico for Sweet Potatoes 3-8-15		Baltimore	3.00	3.03	2.25	2.24	.75	.79	.90	8.00	8.10	15.00	15.60 108 A
Agrico for Tobacco-Sulphate 3-8-15		Baltimore	3.00	2.99	2.25	2.27	.75	.72	.40	8.00	8.50	15.00	15.00 103 A
AA Royal Sweet Potato Fertilizer 3-8-15		Baltimore	3.00	3.14	2.25	2.32	.75	.82	.40	8.00	8.40	15.00	15.22 57 A
AA Calvert Tobacco Fert-Sulphate 3-8-15		Baltimore	3.00	3.14	2.25	2.32	.75	.86	.90	8.00	8.40	15.00	15.06 68 A
AA Horse Shoe Fertilizer 2-12-6		Baltimore	2.00	2.01	1.50	1.52	.50	.49	1.00	12.00	12.60	6.00	6.52 115 A
AA Farmers Friend Fertilizer 2-12-4		Baltimore	2.00	2.04	1.50	1.41	.50	.63	1.10	12.00	12.10	4.00	4.56 1 B
AA Red Dog Fertilizer 2-9-5		Baltimore	2.00	1.98	1.50	1.47	.50	.51	.70	9.00	9.80	5.00	5.28 86 A
AA Red Dog Fertilizer 2-9-5		Baltimore	2.00	1.77	1.50	1.26	.50	.51	.70	9.00	9.20	5.00	5.00 48 A

† Not Licensed at time of sampling.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)				PHOSPHORIC ACID (P ₂ O ₅)		POTASH (K ₂ O)		Acidity A Basidity B		
		Total		Mineral		Organic	Insol- uble	Available	Guaranteed		FOUND	
		FOUND		Declared	FOUND	FOUND						
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND				
The American Agricultural Chemical Co., Baltimore, Md. (Cont.)												
AA Silk Leaf Tobacco Fertilizer- Sulphate 2-8-10	Baltimore	2.00	2.01	1.50	1.43	.58	.70	8.00	8.70	10.00	10.44	97 A
AA Old Hickory Fertilizer 2-8-10	Baltimore	2.00	1.99	1.50	1.36	.63	.40	8.00	8.40	10.00	10.30	57 A
Pure Raw Bone 3.70-T. P. A. 20-0	Baltimore	3.70	3.88					*20.00	*21.50			
Fine Ground Bone 2.47-T. P. A. 23-0	Baltimore	2.47	2.54					*23.00	*25.30			
Pulverized Sheep and Goat Manure 1.25-T. P. A. 1-2	Upper Marlboro	1.25	1.63					*1.00	*1.00	2.00	3.34	
Pulverized Sheep and Goat Manure 1.25-T. P. A. 1-2	Baltimore	1.25	1.53					*1.00	*1.20	2.00	3.88	
AA Chieftain Mixture 0-14-6	Friendsville						1.00	14.00	14.60	6.00	6.22	
AA Chieftain Mixture 0-14-6	Baltimore						1.10	14.00	14.40	6.00	6.29	
AA XXX Mixture 0-12-12	Baltimore						.90	12.00	12.20	12.00	12.50	
AA Superphosphate 0-20-0	Baltimore						1.00	20.00	20.20			
AA Superphosphate 0-20-0	Baltimore						.90	20.00	20.20			
AA Superphosphate 0-16-0	Baltimore						1.70	16.00	16.30			
AA Superphosphate 0-16-0	Baltimore						1.70	16.00	16.10			
AA Basic Lime Phosphate 0-16-0	Baltimore						1.10	16.00	16.00			
Muriate of Potash 0-0-50	Baltimore									50.00	52.00	
Sulphate of Potash 0-0-48	Baltimore									48.00	49.70	
Kainit 0-0-20	Baltimore									20.00	22.04	
American Soda Products Co., Moorestown, N. J.												
†Grogreen Fern Food 3-8-3	Baltimore	3.00	4.41	1.80	2.89	1.20	.80	8.00	9.10	3.00	4.66	345 A
Armour Fertilizer Works, Baltimore, Md.												
†Armour's Special Tree Food 10-8-6	Easton	10.00	9.74	9.50	9.13	.61	.20	8.00	9.00	6.00	6.05	769 A
Armour's Special Top Dresser 10-5-2	Baltimore	10.00	9.95	9.00	8.76	1.00	.40	5.00	5.80	2.00	2.32	351 A
Armour's Big Crop 8-16-16 Fertilizer	Elkton	8.00	7.21	7.20	5.96	.80	.40	16.00	15.50	16.00	16.40	
†Armour's Special Top Dresser 8-5-2	Baltimore	8.00	8.18	7.20	7.01	.80	.40	5.00	5.60	2.00	2.54	208 A
Armour's Plant Bed Fertilizer 6-6-8	Baltimore	6.00	6.11	4.80	5.26	1.20	.85	.30	6.90	8.00	8.50	242 A

Armour's Big Crop Fertilizer 6-6-5
 Armour's Big Crop Fertilizer 6-6-5
 Armour's Big Crop Fertilizer 5-10-5
 Armour's Big Crop Fertilizer 5-10-5

Baltimore
 Baltimore
 Baltimore
 Baltimore

6.00 5.97 3.60 3.47 2.40 2.50
 6.00 5.97 3.60 3.44 2.40 2.53
 5.00 4.75 3.75 3.68 1.95 1.07

5.34 184 A
 5.44 147 A

9

* Total Phosphoric Acid.

† Not licensed at time of sampling.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)				PHOSPHORIC ACID (P2O5)		POTASH (K2O)		Acidity A	Acidity B	
		Total		Mineral		Organic		Insol- uble	Available			Guaranteed
		FOUND		FOUND		FOUND						
		Guaranteed	Declared	Declared	FOUND	FOUND	FOUND					
Associated Chemical Co., Baltimore, Md. †Sulphate of Ammonia 20.56-0-0 †Pure Raw Bone 3.70-T. P. A. 20-0 †Sheep and/or Goat Manure 1.25-T. P. A. 1-2 †High Grade Kainit 0-0-20	Frederick	20.56	20.64									
	Frederick	3.70	3.89									
	Frederick	1.25	1.54									
	Frederick											
Associated Fertilizer Merchants, Inc., Baltimore, Md. Lawn and Garden Fertilizer 6-6-5 †Lawn and Garden Fertilizer 6-6-5 2-12-6 2-9-5 †2-9-5 Superphosphate 0-20-0	Baltimore	6.00	5.97	3.60	3.74	2.40	2.23					
	Baltimore	6.00	6.06	3.60	3.62	2.40	2.38	.50	6.00	6.70	5.00	
	Baltimore	2.00	2.13	1.50	1.54	.50	.59	.30	6.00	6.60	5.12	
	Baltimore	2.00	2.06	1.50	1.52	.50	.54	.60	12.00	12.50	6.00	
	Baltimore	2.00	2.26	1.50	1.60	.50	.66	.50	9.00	10.10	5.00	
Baltimore Fertilizer Co., Baltimore, Md. Honest Tobacco Bed Guano 8-5-2 Honest Tobacco Bed Guano 8-5-2 Honest 4-8-12 Sulphate of Potash Honest 4-8-10 Sulphate of Potash †Honest 4-8-8 Honest 4-8-7 Sulphate of Potash Honest 4-8-7 Honest 4-8-7 Honest 4-8-7 Honest 4-8-5 Honest 4-8-5 Honest 2-12-6 Honest 2-12-6 Honest 2-12-4 Honest 2-9-5 Honest 2-9-5	La Plata	8.00	8.01	7.25	7.12	.75	.89	.30	5.00	5.70	2.00	
	Baltimore	8.00	8.29	7.25	7.50	.75	.79	.30	5.00	5.70	2.00	
	La Plata	4.00	4.10	3.40	3.12	.60	.98	.40	8.00	8.00	12.00	
	La Plata	4.00	3.97	3.40	3.26	.60	.71	.40	8.00	8.00	10.00	
	Glyndon	4.00	3.79	3.60	2.28	.40	.51	.20	8.00	8.30	8.00	
	La Plata	4.00	4.04	3.40	3.37	.60	.67	.20	8.00	8.10	7.00	
	La Plata	4.00	3.09	3.40	2.18	.60	.91	.40	8.00	8.50	7.00	
	Fallston	4.00	4.03	3.40	3.54	.60	.49	.40	8.00	9.10	7.00	
	Bel Air	4.00	4.16	3.40	3.24	.60	.92	.30	8.00	8.90	7.00	
	Glyndon	4.00	3.85	3.40	2.95	.60	.96	.20	8.00	8.50	5.00	
	Bel Air	4.00	4.04	3.40	3.51	.60	.53	.30	8.00	9.10	5.00	
	Glyndon	2.00	2.01	1.40	1.58	.60	.43	.20	12.00	11.80	6.00	
	Bel Air	2.00	2.43	1.40	1.68	.60	.75	.40	12.00	11.60	6.00	
	Bel Air	2.00	2.44	1.40	1.83	.60	.61	.50	12.00	12.60	4.00	
	La Plata	2.00	1.98	1.40	1.29	.60	.69	.50	9.00	9.80	5.00	
	Baltimore	2.00	1.97	1.40	1.35	.60	.62	.30	9.00	9.20	5.00	

Honest 2-9-5	2.00	1.98	1.40	1.29	.60	.63	9.00	9.20	5.00	5.37	124 A
Honest 2-9-5	2.00	1.97	1.40	1.35	.60	.62	9.00	9.20	5.00		
Honest 2-9-5	2.00	2.32	1.40	1.74	.60	.58	9.00	9.10	5.00	6.20	67 B
Honest 2-8-10	2.00	2.22	1.40	1.60	.60	.62	9.00	10.20	5.00	5.12	25 B
Honest 2-8-10	2.00	1.98	1.40	1.56	.60	.42	9.00	10.10	10.00	10.60	135 A
Honest Superphosphate 0-20-0	2.00	2.22	1.40	1.57	.60	.65	8.00	9.40	10.00	10.60	15 B
Honest Superphosphate 0-16-0							1.20	20.00	20.10		
							.70	16.00	17.50		
The Barrett Co., New York, N. Y.	16.00	16.04									
Arcadett the American Nitrate of Soda											
Owings Mills											
Baltimore	10.00	9.98	9.00	8.86	1.00	1.12	.60	5.00	5.60	2.60	858 A
Baltimore	8.00	8.05	6.80	6.99	1.20	1.06	.40	5.00	5.60	2.62	673 A
Baltimore	8.00	8.03	6.80	7.19	1.20	.84	.40	5.00	5.60	2.55	663 A
Baltimore	6.00	6.11	5.10	4.94	.90	1.17	1.90	6.00	7.20	8.38	297 A
Cardiff	6.00	5.59	5.10	3.69	.90	1.90	.20	6.00	7.20	5.50	8 A
Baltimore	6.00	5.76	3.60	3.54	2.40	2.22	1.20	6.00	6.50	5.32	405 A
Baltimore	6.00	5.81	3.60	3.62	2.40	2.19	1.40	6.00	6.30	5.28	22 B
Baltimore	6.00	5.96	3.60	3.65	2.40	2.31	1.20	6.00	6.40	5.28	172 A
Baltimore	6.00	5.97	3.60	3.99	2.40	1.98	1.30	6.00	6.00	5.20	5 A
Baltimore	5.00	5.15	4.00	4.18	1.00	.97	.80	10.00	10.00	5.60	462 A
Soil Builder 5-10-5											
Baugh's Premium Plant Food and Soil Builder 5-10-5	5.00	5.00	3.40	3.27	1.60	1.73	1.10	10.00	10.40	5.08	155 A
Baltimore											
Baltimore	5.00	5.00	3.40	3.27	1.60	1.73	1.10	10.00	10.70	5.02	365 A
Baltimore	5.00	4.98	3.25	3.23	1.75	1.75	.50	8.00	8.60	12.48	187 A
Baltimore	4.00	4.03	3.10	3.27	.90	.76	1.00	12.00	12.60	4.30	97 A
Baltimore	4.00	4.11	3.10	3.34	.90	.77	1.10	12.00	12.30	4.66	293 A
Baugh's 4-8-10 for Tobacco	4.00	3.93	2.80	2.74	1.20	1.19	.60	8.00	8.50	12.80	172 A
Baugh's Approved Truck Grower 4-8-8	4.00	3.88	2.80	2.92	1.20	.96	.60	8.00	8.60	10.42	81 A
Baugh's Approved Truck Grower 4-8-8	4.00	4.04	3.00	3.18	1.00	.86	.80	8.00	8.20	8.50	18 B
Baugh's Approved Truck Grower 4-8-8	4.00	3.88	3.00	3.02	1.00	.86	.50	8.00	8.40	8.32	8 A
Baugh's Approved Truck Grower 4-8-8	4.00	4.02	3.00	3.27	1.00	.75	.60	8.00	8.40	8.50	94 B
Baugh's 4-8-7 for Tobacco	4.00	4.02	3.00	3.20	1.00	.82	.70	8.00	8.30	8.50	1 B
Baugh's Half Century Perfection 4-8-7	4.00	3.97	2.80	2.92	1.20	1.05	.70	8.00	9.20	7.18	247 A
Baugh's 4-8-5 for Tobacco	4.00	4.00	3.10	3.40	.90	.60	.90	8.00	8.30	7.29	263 A
Baugh's Peruvian Guano Substitute 4-8-5	4.00	3.97	2.80	2.75	1.20	1.22	.70	8.00	8.00	5.35	37 A
Baugh's Peruvian Guano Substitute 4-8-5	4.00	4.11	3.10	3.19	.90	.92	.80	8.00	8.00	5.38	5 B
Baugh's Peruvian Guano Substitute 4-8-5	4.00	4.04	3.10	3.13	.90	.91	.70	8.00	8.00	5.30	99 A
Baugh's Premium Plant Food and Soil Builder 3-12-6	4.00	3.99	3.10	3.26	.90	.73	.50	8.00	8.30	5.28	119 B
Baltimore	3.00	3.06	1.40	1.60	1.60	1.46	1.60	12.00	12.20	6.40	39 A

† Not licensed at time of sampling.

* Total Phosphoric Acid.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)				PHOSPHORIC ACID (P205)		POTASH (K2O)		FOUND	Acidity A		
		Total	Mineral		Organic	Insol- uble	Available	Guaranteed	FOUND				
			Declared	FOUND								Declared	FOUND
The Baugh & Sons Co., Baltimore, Md. (Ct.)													
Baugh's Three Quarter Century Perfection Brand 3-12-6	Baltimore	3.00	3.09	2.10	2.13	.96	.80	12.00	12.60	6.00	6.54	78 A	
Baugh's Three Quarter Century Perfection Brand 3-12-6	Baltimore	3.00	3.05	2.10	2.11	.94	.80	12.00	12.70	6.00	6.44	67 A	
Baugh's High Grade Fish Brand 3-12-6	Linwood	3.00	2.99	1.80	1.54	1.20	1.06	12.00	12.20	6.00	6.40	30 A	
Baugh's High Grade Fish Brand 3-12-6	Baltimore	3.00	2.97	1.80	1.67	1.20	.80	12.00	12.60	6.00	6.64	54 A	
Baugh's High Grade Fish Brand 3-12-6	Baltimore	3.00	3.03	1.80	1.88	1.20	1.15	12.00	12.40	6.00	6.60	6 A	
†Baugh's 3-8-15	Baltimore	3.00	3.02	2.25	2.42	.75	.70	8.00	8.20	15.00	15.80	143 A	
Baugh's Tomato Compound with Fish 3-8-10	Denton	3.00	2.88	1.90	1.83	1.10	.60	8.00	8.50	10.00	10.54	15 B	
Baugh's Double Eagle Phosphate 2-12-6	Baltimore	2.00	2.16	1.20	1.35	.81	1.00	12.00	12.60	6.00	6.60	120 A	
Baugh's Corn and Oats Fertilizer 2-12-4	Baltimore	2.00	1.98	1.20	1.26	.80	.72	12.00	12.30	4.00	4.19	1 B	
†Baugh's Complete Animal Base Fertilizer 2-9-5	Denton	2.00	2.08	1.40	1.60	.60	.48	9.00	9.30	5.00	5.96	41 B	
Baugh's 2-8-10 for Tobacco	Baltimore	2.00	1.99	1.40	1.11	.60	.88	8.00	8.70	10.00	9.96	59 A	
Baugh's Commercial Crop Comp. 2-8-10	Baltimore	2.00	2.05	1.40	1.63	.60	.42	8.00	8.30	10.00	10.40	28 A	
†Baugh's 2-8-10 with Fish	Baltimore	2.00	2.08	1.20	1.47	.80	.61	8.00	8.40	10.00	11.18	221 B	
Sulphate of Ammonia 20.57-0-0	Baltimore	20.57	20.68										
†Sulphate of Ammonia 20.57-0-0	Baltimore	20.57	20.60										
†Dried Ground Blood 12-0-0	Baltimore	12.00	12.02										
Baugh's Raw Bone Meal, Warranted Pure 3.70-T. P. A. 20.50-0	Baltimore	3.70	3.90					*20.50	*21.70				
Baugh's Pure Steamed Bone Meal 2.47-T. P. A. 23-0	Frederick	2.47	2.46					*23.00	*25.70				
Baugh's Pure Steamed Bone Meal 2.47-T. P. A. 23-0	Baltimore	2.47	2.82					*23.00	*25.50				
†Domestic Sheep Manure 1.50-T. P. A. 1-1	Baltimore	1.50	1.64					*1.00	*1.10	1.00	2.60		
Baugh's Phosphate & Potash Mix. 0-14-6	Baltimore						.90	14.00	14.50	6.00	6.70		
Baugh's Phosphate & Potash Mix. 0-12-12	Baltimore						.70	12.00	12.20	12.00	12.50		
Baugh's Phosphate & Potash Mix. 0-10-10	Baltimore						.80	10.00	10.00	10.00	10.44		
Baugh's Phosphate, The Ideal Superphosphate 0-20-0	Baltimore						.20	20.00	20.20				

Baugh's Phosphate, The Ideal Superphosphate

Baugh's Phosphate, The Ideal Superphosphate

Baugh's Phosphate, The Ideal Superphosphate

Baugh's Phosphate, The Ideal Superphosphate

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‡ Calcium Oxide.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)				PHOSPHORIC ACID (P2O5)		POTASH (K2O)		Acidity A Basicity B			
		Total	Mineral		Organic	Insol- uble	Available		Guaranteed		FOUND		
			Declared	FOUND			Declared	FOUND					
												Guaranteed	FOUND
Joseph L. Bullock, Baltimore, Md. †Bullock 6-6-5	Baltimore.....	6.00	5.98	3.00	2.43	3.00	3.55	.70	6.00	6.70	5.00	5.20	152 B
	Silver Spring	1.85	2.15						*1.50	*2.30	1.50	1.90	
A. H. Case & Co., Inc., Buffalo, N. Y. †Par Plus Brand Pulverized Sheep Manure 1.85-T. P. A. 1.50-1.50	Frederick	10.00	9.23	8.00	7.59	2.00	1.64	1.20	6.00	6.10	4.00	4.04	119 A
	Frederick	5.00	5.84	4.50	4.10	.50	1.74	.20	10.00	11.70	5.00	6.91	369 A
Central Chemical Corp. of Maryland, Hagerstown, Md.	Frederick	4.00	3.97	2.25	2.28	1.75	1.69	.50	12.00	12.00	6.00	6.08	139 B
	Frederick	4.00	3.99	3.25	2.64	.75	1.35	.20	12.00	12.20	4.00	4.12	151 A
†Farmrite Famous Tomato Fertilizer 4-12-6 †Farmrite Farmers Friend 4-12-4 †Farmrite Potato Grower 4-8-8	Frederick	4.00	4.13	3.20	3.36	.80	.77	.30	8.00	8.20	8.00	9.00	29 B
	Reid.....	4.00	3.97	3.20	3.31	.80	.66	.20	8.00	8.00	7.00	7.37	57 B
†Farmrite Potato Special 4-8-7 †Farmrite Potato Special 4-8-7	Frederick	4.00	4.03	3.20	3.57	.80	.46	.30	8.00	7.60	7.00	7.53	12 B
	Frederick	3.00	3.20	1.25	1.48	1.75	1.72	.30	12.00	12.00	6.00	6.21	142 B
†Farmrite Famous Corn Food 3-12-6 †Farmrite Fertilizer 2-12-6	Frederick	3.00	2.01	1.40	1.36	.60	.65	.70	12.00	11.80	6.00	6.40	53 B
	Frederick	2.00	2.06	.80	.93	1.20	1.13	1.00	12.00	11.60	5.00	6.13	33 B
†Farmrite Famous Old Fish Brand 2-12-6 †Farmrite Excelsior 2-9-5 †Farmrite Excelsior 2-9-5	Frederick	2.00	1.99	1.40	1.41	.60	.58	.60	9.00	10.50	5.00	4.97	137 B
	Frederick	2.00	2.11	1.40	1.45	.60	.66	.40	9.00	9.60	5.00	5.24	189 B
†Farmrite Imperial 2-8-10 †Farmrite Potash Special 0-12-5	Maugansville	2.00	1.98	1.40	1.36	.60	.62	.20	8.00	8.20	10.00	9.24	338 B
	Friendsville							.40	12.00	12.20	5.00	5.08	
†Farmrite Superphosphate 0-20-0 †Farmrite Superphosphate 0-16-0	Maugansville							.80	20.00	20.40			
	Maugansville							1.20	16.00	16.00			
†Farmrite Carbo Lime Phosphate 0-16-0	Hancock.....							.50	16.00	16.10			
Chewsville Cooperative Association, Inc., Chewsville, Md.	Chewsville	10.00	10.00	9.00	9.65	1.00	.35	.20	6.00	7.50	4.00	4.24	27 A
	Planters Pride 10-6-4	10.00	9.90	9.00	8.88	1.00	1.02	.30	6.00	8.30	4.00	4.42	133 B
Fruit and Vegetable Mixture 6-6-5 Fruit and Vegetable Mixture 6-6-5	Chewsville	6.00	5.98	5.00	4.79	1.00	1.19	.30	6.00	7.30	5.00	5.04	218 B
	Chewsville	6.00	5.77	5.00	4.91	1.00	.86	.40	6.00	6.00	5.00	5.12	218 B

Planters Pride 10-6-4.....	10.00	9.90	9.00	8.88	1.00	1.02	30	6.00	8.80	7.00	7.37	48 B
Fruit and Vegetable Mixture 6-6-5.....	6.00	5.98	5.00	4.79	1.00	1.19	30	6.00	9.00	7.00	7.50	37 B
Fruit and Vegetable Mixture 6-6-5.....	6.00	5.77	5.00	4.91	1.00	.86	40	6.00	12.00	6.00	6.36	85 A
Perfection 4-8-7.....	4.00	4.00	3.00	2.99	1.00	1.01	50	8.00	12.00	6.00	6.36	117 A
Perfection 4-8-7.....	4.00	4.04	3.00	2.75	1.00	1.29	50	8.00	12.00	5.00	5.16	54 A
Crop Producer 3-12-6.....	3.00	2.98	2.00	1.83	1.00	1.15	50	13.10	12.00	5.00	5.64	
Crop Producer 3-12-6.....	3.00	3.00	2.00	1.95	1.00	1.05	80	9.00	12.00	5.00		
Golden Harvest 2-9-5.....	2.00	2.13	1.00	1.22	1.00	.91	30	12.00	13.80	5.00		
Phosphate and Potash 0-12-5.....							20	20.00	20.40			
Granular Superphosphate 0-20-0.....							30	16.00	20.50			
Superphosphate 0-16-0.....												
Chilean Nitrate Sales Corp., New York, N.Y. Chilean Nitrate of Soda & Potash 15-0-14.....	15.00	15.24								14.00	16.50	
Cooperative Southern States Fertilizer Service, Inc., Baltimore, Md. Open Formula Fruit Tree Special 10-6-4 Quality Fertilizer.....	10.00	9.97	8.00	8.14	2.00	1.83	30	6.00	6.70	4.00	4.54	280 A
Cover Lawn Seed Co., Baltimore, Md. Antiweed Druid Hill Park Brand Fertilizer for Grass 4-0-0.....	4.00	4.97	4.00	4.84		.13						
The Davidson Chemical Corp., Baltimore, Md. Davco Granulated Pomo Food 10-6-4.....	10.00	9.96	9.65	9.55	.35	.41	30	6.00	6.50	4.00	4.10	670 A
Davco Granulated Pomo Food 10-6-4.....	10.00	9.96	9.65	9.64	.35	.32	30	6.00	6.50	4.00	4.12	620 A
Davco Granulated Fertilizer 6-6-5.....	6.00	5.90	5.79	5.66	.21	.24	30	6.00	6.30	5.00	4.96	65 B
Davco Granulated Fertilizer 5-8-12.....	5.00	4.97	4.93	4.80	.07	.17	30	8.00	7.50	12.00	12.60	221 A
Davco Granulated Fertilizer 5-8-12.....	5.00	4.94	4.93	4.66	.07	.28	40	8.00	8.10	12.00	12.64	232 A
Davco Granulated Tomato Food 4-12-6.....	4.00	3.97	3.86	3.79	.14	.18	50	12.00	12.60	6.00	6.47	291 A
Davco Granulated Fertilizer 4-12-4.....	4.00	3.99	3.86	3.95	.14	.04	30	12.00	12.50	4.00	4.12	96 A
Davco Granulated Fertilizer 4-8-8.....	4.00	4.13	3.86	4.04	.14	.14	30	8.00	7.90	8.00	8.60	128 A
Davco Granulated Fertilizer 4-8-8.....	4.00	4.13	3.86	4.08	.14	.05	40	8.00	8.00	8.00	7.60	47 B
Davco Granulated Fertilizer 4-8-8.....	4.00	3.62	3.86	3.45	.14	.17	50	8.00	8.20	8.00	7.96	52 B
Davco Granulated Fertilizer 3-12-6.....	3.00	2.99	2.90	2.86	.10	.13	40	12.00	12.30	6.00	6.13	17 B
Davco Granulated Fertilizer 3-12-6.....	3.00	2.99	2.90	2.60	.10	.39	80	12.00	12.20	6.00	6.44	35 A
Davco Granulated Fertilizer 2-12-6.....	2.00	2.05	1.20	1.31	.80	.74	80	12.00	12.00	6.00	6.30	379 B
Davco Granulated Fertilizer 2-12-6.....	2.00	1.98	1.20	1.19	.80	.79	80	12.00	11.00	6.00	6.64	391 B
Davco Granulated Fertilizer 2-12-6.....	2.00	2.01	1.20	1.26	.80	.75	70	12.00	11.70	6.00	6.24	443 B
Davco Granulated Fertilizer 2-9-5.....	2.00	1.98	1.40	1.38	.60	.60	60	9.00	8.60	5.00	5.20	637 B
Davco Granulated Fertilizer 2-9-5.....	2.00	1.98	1.40	1.38	.60	.73	70	9.00	8.60	5.00	5.35	608 B
Davco Granulated Fertilizer 0-12-12.....	2.00	2.16	1.40	1.43	.60		60	12.00	12.70	12.00	14.50	
Davco Granulated Fertilizer 0-14-6.....	2.00	2.16	1.40	1.43	.60		70	14.00	14.10	6.00	7.45	

* Total Phosphoric Acid.

† Not licensed at time of sampling.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)				PHOSPHORIC ACID (P2O5)		POTASH (K2O)		Acidity A Basicity B
		Total		Organic		Insol- uble	Available	Guaranteed	FOUND	
		Guaranteed	FOUND	Declared	FOUND					
Jacob M. Deutscher, Philadelphia, Pa. †Deutscher Plant Liquid .05-T. P. A. 03-.05	Baltimore.....	.05	.03					.05	.097	FOUND
Devilbiss Bros., New Windsor, Md.										
4-8-7.....	New Windsor.....	4.00	4.49	3.50	4.10	.39	8.00	7.00	8.90	7.60
2-12-6.....	New Windsor.....	2.00	2.22	1.80	2.11	.11	12.00	6.00	12.10	7.60
Butcher House 2-9-5.....	New Windsor.....	2.00	2.43	1.60	2.08	.40	9.00	5.00	10.60	7.10
Wheat Grower 1-10-5.....	New Windsor.....	1.00	1.43	.80	1.12	.31	6.00	5.00	10.50	7.29
Superphosphate 0-18-0.....	New Windsor.....					.30	18.00	19.40		47 B
Dorchester Fertilizer Co., Cambridge, Md.										
On Top 7-5-4.....	Cambridge.....	7.00	6.99	7.00	6.87	.12	5.00	4.00	5.10	3.98
On Top 7-5-4.....	Cambridge.....	7.00	6.98	7.00	6.92	.06	30	4.00	5.00	116 B
Dorco Champion 6-6-5.....	Cambridge.....	6.00	7.39	4.25	4.63	2.76	30	5.00	6.30	4.00
Dorco Champion 6-6-5.....	Cambridge.....	6.00	6.11	4.25	4.37	1.75	30	6.00	6.30	4.66
Dorco Gem 5-10-10.....	Cambridge.....	5.00	5.05	3.00	2.81	2.00	30	10.00	10.10	5.16
Dorco Majestic 5-10-6.....	Cambridge.....	5.00	5.22	4.00	4.23	1.00	30	10.00	10.40	78 B
Dorco Majestic 5-10-6.....	Cambridge.....	5.00	5.00	4.00	4.08	1.00	30	10.00	10.10	54 A
Dorco Jewel 5-8-12.....	Cambridge.....	5.00	5.24	3.00	3.43	2.00	30	8.00	8.30	165 A
Dorco Jewel 5-8-12.....	Cambridge.....	5.00	5.19	3.00	3.02	2.00	30	8.00	8.10	6.36
Dorco Choice 4-8-10.....	Cambridge.....	4.00	4.00	3.20	3.37	.80	30	8.00	8.40	55 A
Dorco Choice 4-8-10.....	Cambridge.....	4.00	3.97	3.20	3.05	.80	30	8.00	8.80	32 A
Dorchester 4-8-8.....	Cambridge.....	4.00	3.96	3.20	3.19	.80	30	8.00	8.10	21 A
†Dorchester 4-8-8.....	Cambridge.....	4.00	4.10	3.20	3.37	.80	30	8.00	8.70	56 B
Dorco Regal 4-8-7.....	Cambridge.....	4.00	4.28	3.20	3.27	.80	30	8.00	8.10	64 B
Dorco Regal 4-8-7.....	Cambridge.....	4.00	4.02	3.20	3.37	.80	30	8.00	8.70	35 A
Trucker 4-8-5.....	Cambridge.....	4.00	4.30	3.90	3.96	.10	30	8.00	8.10	8.32
Trucker 4-8-5.....	Cambridge.....	4.00	3.97	3.90	3.82	1.01	30	8.00	8.70	60 A
Dorco Imperial 3-12-6.....	Cambridge.....	3.00	3.33	2.00	2.32	1.01	30	8.00	8.80	38 B
Dorco Royal 3-8-10.....	Cambridge.....	3.00	3.00	2.70	2.64	.36	30	8.00	8.10	7.50
Favorite 2-8-10.....	Cambridge.....	2.00	1.99	1.90	1.88	.11	30	8.00	8.30	82 B
Superior 0-12-12.....	Cambridge.....					.80	30	8.00	8.60	5.52
Standard 0-10-10.....	Cambridge.....					.50	30	8.00	8.70	65 B

†Superphosphate 0-20-0.
Kainit 0-0-20.

Cambridge.
Cambridge.

40 20.00 20.40 20.00 21.84

† Not licensed at time of sampling.

† Not licensed at time of sampling.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)				PHOSPHORIC ACID (P2O5)			POTASH (K2O)		Acidity A	Acidity B	
		Total		Mineral		Organic		Insol- uble	Available	FOUND			FOUND
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND						
Farmers & Planters Co., Salisbury, Md. F. & P. Brand 6-6-5 Special High Grade F. & P. Brand 6-6-5 Special High Grade F. & P. Brand 5-8-12 Early Truck F. & P. Brand 5-8-12 Early Truck F. & P. Brand 4-8-8 Tomato Special F. & P. Brand 4-8-8 Tomato Special F. & P. Brand 3-8-15 Sweet Potato Spec.	Pocomoke City	6.00	5.97	4.80	3.95	1.20	2.02	.30	6.00	6.00	5.00	5.08	43 B
	Salisbury	6.00	5.64	4.80	3.57	1.20	2.07	.40	6.00	6.20	5.00	5.12	13 B
	Salisbury	5.00	5.05	4.00	3.72	1.00	1.33	.60	8.00	8.00	12.00	12.50	62 A
	Salisbury	5.00	5.17	4.00	4.07	1.00	1.10	.70	8.00	8.10	12.00	13.20	180 A
	Salisbury	4.00	4.07	3.20	3.19	.80	.88	.80	8.00	8.00	8.00	8.50	107 B
	Salisbury	4.00	4.13	3.20	3.31	.80	.82	.60	8.00	8.10	8.00	8.30	101 B
	Salisbury	3.00	3.03	2.40	2.41	.60	.62	.70	8.00	7.80	15.00	15.76	107 B
Griffith & Boyd Co., Baltimore, Md. †Griffith & Boyd's Potato & Truck Guano 6-6-5 †Griffith & Boyd's Royal Guano 4-8-8 Griffith & Boyd's High Grade Truck Guano 4-8-7 Griffith & Boyd's High Grade Truck Guano 4-8-7 Griffith & Boyd's Truckers Special 4-8-5 †Griffith & Boyd's Truckers Special 4-8-5 †Griffith & Boyd's Special Fish Brand Guano 3-12-6 †Griffith & Boyd's Vegetable Grower 3-8-10 †Griffith & Boyd's Special Potato Fertilizer 3-8-8 Griffith & Boyd's Wheat & Grain Special 2-12-6 Reliable Crop Grower 2-12-4 Special Guano 2-9-5 Special Guano 2-9-5 Gilt Edge Crop Grower 2-8-10 †Sulphate of Ammonia 20.50-0-0 Pure Fine Ground Bone Meal 3.70- T. P. A. 20-0	Baltimore	6.00	6.32	4.20	4.61	1.80	1.71	.30	6.00	6.70	5.00	5.20	332 A
	Baltimore	4.00	4.11	2.00	2.13	2.00	1.98	.40	8.00	8.00	8.00	8.36	183 A
	Laurel	4.00	4.09	3.20	3.34	.80	.75	.50	8.00	8.30	7.00	7.08	185 A
	Baltimore	4.00	3.97	3.20	3.23	.80	.74	.60	8.00	8.50	7.00	7.14	214 A
	Laurel	4.00	4.03	3.20	3.14	.80	.89	.30	8.00	8.70	5.00	4.98	238 A
	Baltimore	4.00	4.04	3.20	3.10	.80	.94	.40	8.00	8.30	5.00	5.04	280 A
	Baltimore	3.00	3.23	2.10	2.20	.90	1.03	.20	12.00	12.60	6.00	6.36	256 A
	Laurel	3.00	3.26	2.10	2.42	.90	.84	.40	8.00	8.80	10.00	10.80	122 A
	Baltimore	3.00	3.16	2.10	2.11	.90	1.05	.40	8.00	8.60	8.00	7.46	99 A
	Baltimore	2.00	2.12	1.40	1.54	.60	.58	.30	12.00	12.40	6.00	6.29	20 A
	Fallston	2.00	2.06	1.40	1.40	.60	.66	.60	12.00	12.70	4.00	4.60	96 A
	Fallston	2.00	2.04	1.40	1.57	.60	.47	.30	9.00	9.50	5.00	5.12	57 A
	Laurel	2.00	2.06	1.40	1.33	.60	.73	.50	9.00	9.20	5.00	5.38	17 B
	Baltimore	20.50	20.04	1.40	1.35	.60	.73	.30	8.00	8.30	10.00	10.02	108 A
		3.70	3.86						*20.00	*21.50			

Pure Fine Ground Bone Meal 3.70-
T. P. A. 20-0

Laurel

Pure Fine Ground Bone Meal 3.70- T. P. A. 20-0	Fallston	3.70	3.86																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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* Total Phosphoric Acid.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)				PHOSPHORIC ACID (P2O5)		POTASH (K2O)		Acidity A Basicity B			
		Total	Mineral		Organic	Insol- uble	Available	FOUND	Guaranteed				
			Declared	FOUND							Declared	FOUND	
													Guaranteed	FOUND
Lancaster Bone Fertilizer Co., Inc., Quarryville, Pa. †Granulated Superphosphate 0-20-0	Colora	3.00	1.12	1.00	.14	2.00	.98	.70	20.00	20.80			
E. L. Marvel, Dagsboro, Del. Marvel's Fertilizer 3-3-2								.20	3.00	2.00	2.00	2.60	69 B
Maryland Milling & Supply Co., Sykesville, Md. Forthman's Special 5-10-5	Sykesville	5.00	5.11	4.75	4.98	.25	.13	.50	10.00	10.10	5.00	5.52	351 A
M. M. & S. Co. Tomato-Corn 4-8-8	Sykesville	4.00	4.00	3.75	3.72	.25	.28	.40	8.00	8.40	8.00	9.50	129 A
Newman's Favorite 2-9-5	Sykesville	2.00	1.92	1.50	1.59	.50	.33	.50	9.00	9.70	5.00	5.70	88 A
Dietrich's Favorite 1-10-5	Sykesville	1.00	1.04	.75	.90	.25	.14	.60	10.00	10.30	5.00	6.00	171 B
Special Mix. Soy Beans-Alfalfa 0-12-12	Sykesville							.30	12.00	10.90	12.00	13.10	
Phosphate-Potash 0-12-5	Sykesville							.90	12.00	12.50	5.00	5.90	
Maryland Tobacco Growers' Association Baltimore, Md. Md. Assoc. Brand 10-5-2 for Tobacco	Baltimore	10.00	10.10	9.00	9.05	1.00	1.05	.30	5.00	5.60	2.00	2.34	844 A
Md. Assoc. Brand 10-5-2 for Tobacco	Baltimore	10.00	10.34	9.00	9.21	1.00	1.13	.40	5.00	5.10	2.00	2.20	895 A
Md. Assoc. Brand 8-5-2 for Tobacco	Baltimore	8.00	7.89	6.80	6.99	1.20	.90	.40	5.00	5.60	2.00	2.40	618 A
Md. Assoc. Brand 6-6-8 for Tobacco	Baltimore	6.00	6.04	4.80	4.90	1.20	1.14	.40	6.00	6.40	8.00	8.20	382 A
Md. Assoc. Brand 6-6-8 for Tobacco	Baltimore	6.00	5.86	4.80	5.03	1.20	.83	.50	6.00	6.50	8.00	8.00	378 A
Md. Assoc. Brand 6-6-8 for Tobacco	Baltimore	6.00	5.97	4.80	4.83	1.20	1.14	.50	6.00	6.50	8.00	8.38	412 A
Md. Assoc. Brand 6-6-5	Baltimore	6.00	6.08	3.60	3.75	2.40	2.33	.50	6.00	6.70	5.00	5.28	226 A
Md. Assoc. Brand 4-12-16 for Tobacco	Baltimore	4.00	4.13	3.40	3.54	.60	.59	.30	12.00	12.10	16.00	16.20	381 A
Md. Assoc. Brand 4-8-16 for Tobacco	Baltimore	4.00	4.03	3.40	3.30	.60	.73	.30	8.00	8.30	16.00	16.40	378 A
Md. Assoc. Brand 4-8-16 for Tobacco	Baltimore	4.00	4.00	3.40	3.37	.60	.43	.30	8.00	8.40	16.00	16.20	337 A
Md. Assoc. Brand 4-8-12 for Tobacco	Huntingtown	4.00	4.07	3.40	3.48	.60	.59	.30	8.00	7.90	12.00	12.30	369 A
Md. Assoc. Brand 4-8-12 for Tobacco	Huntingtown	4.00	3.97	3.40	3.54	.60	.43	.40	8.00	8.00	10.00	10.56	394 A
Md. Assoc. Brand 4-8-10 for Tobacco	Huntingtown	4.00	4.24	3.40	3.37	.60	.87	.30	8.00	8.00	10.00	10.56	335 A
Md. Assoc. Brand 4-8-10 for Tobacco	Baltimore	4.00	4.06	3.40	3.47	.60	.59	.20	8.00	8.50	10.00	10.08	326 A
Md. Assoc. Brand 4-8-10 for Tobacco	Baltimore	4.00	4.00	3.40	3.40	.60	.60	.40	8.00	8.40	10.00	10.24	299 A
Md. Assoc. Brand 4-8-7 for Tobacco	Huntingtown	4.00	3.99	3.40	3.37	.60	.62	.50	8.00	8.00	7.00	8.60	311 A
Md. Assoc. Brand 4-8-7 for Tobacco	Baltimore	4.00	4.13	3.40	3.57	.60	.56	.40	8.00	8.80	7.00	7.80	232 A

Md. Assoc. Brand 4-8-7 for Tobacco	4.00	3.99	3.40	3.37	.60	.62	.50	8.00	8.00	7.00	8.60	311 A
Md. Assoc. Brand 4-8-7 for Tobacco	4.00	4.13	3.40	3.57	.60	.56	.40	8.00	8.00	7.00	7.22	333 A
Md. Assoc. Brand 4-8-7	4.00	4.00	3.00	3.03	1.00	.97	.30	8.00	8.50	7.00	7.22	37 A
†Md. Assoc. Brand 4-8-5 for Tobacco	4.00	4.13	3.40	3.43	.60	.70	.50	8.00	8.10	5.00	5.28	346 A
Md. Assoc. Brand 4-8-5	4.00	4.04	3.00	3.26	1.00	.78	.30	8.00	9.10	5.00	5.82	208 A
Md. Assoc. Brand 4-8-5	4.00	3.83	3.00	2.50	1.00	1.33	.70	8.00	8.10	5.00	5.51	278 B
Md. Assoc. Brand 3-12-6	3.00	3.99	2.25	2.64	.75	1.35	.70	12.00	13.40	6.00	6.35	258 A
Md. Assoc. Brand 2-12-6	2.00	2.16	1.50	1.70	.50	.46	.60	12.00	11.70	6.00	6.21	239 A
Md. Assoc. Brand 2-12-4	2.00	2.19	1.50	1.50	.50	.69	.60	12.00	12.00	4.00	4.81	90 B
Md. Assoc. Brand 2-9-5	2.00	1.98	1.50	1.48	.50	.50	.60	12.00	11.70	4.00	4.46	63 A
Md. Assoc. Brand 2-9-5	2.00	2.11	1.50	1.57	.50	.54	.50	9.00	9.30	5.00	5.35	114 A
Md. Assoc. Brand 2-9-5	2.00	2.05	1.50	1.60	.50	.45	.50	9.00	9.40	5.00	5.70	172 A
Md. Assoc. Brand 2-9-5	2.00	2.11	1.50	1.49	.50	.62	.50	9.00	8.70	5.00	5.20	94 A
Md. Assoc. Brand 2-8-10 for Tobacco	2.00	2.06	1.50	1.52	.50	.54	.40	9.00	9.80	5.00	5.12	120 A
Md. Assoc. Brand 2-8-10 for Tobacco	2.00	2.22	1.50	1.68	.50	.54	.30	8.00	8.00	10.00	10.08	123 A
Md. Assoc. Brand 0-12-12	2.00	2.26	1.50	1.84	.50	.42	.30	8.00	9.10	10.00	10.08	125 A
Md. Assoc. Brand 0-12-5							.90	12.00	12.50	12.00	11.90	
Md. Assoc. Brand Superphosphate 0-20-0							1.00	12.00	12.10	5.00	5.48	
Md. Assoc. Brand Superphosphate 0-16-0							1.00	20.00	20.10			
Md. Assoc. Brand Superphosphate 0-16-0							1.20	16.00	16.10			
Md. Assoc. Brand Superphosphate 0-16-0							1.20	16.00	16.30			
†Md. Assoc. Brand Superphosphate 0-16-0							1.40	16.00	16.10			
Huntingtown							.80	16.00	16.10			
Massey & Wilmer, Inc., Chestertown, Md.												
6-6-5	6.00	5.11	5.00	4.21	1.00	.90	.30	6.00	6.80	5.00	6.90	205 A
Tom, Jr. 4-8-5	4.00	4.18	3.10	3.34	.90	.84	.50	8.00	8.80	5.00	6.00	188 A
3-12-6	3.00	2.98	2.00	1.97	1.00	1.01	.60	12.00	13.00	6.00	7.50	168 A
Trustworthy 2-9-5	2.00	1.88	1.25	.93	.75	.95	.70	9.00	10.90	5.00	5.28	62 A
Propagator 2-8-10	2.00	1.91	1.20	1.08	.80	.83	.40	8.00	8.60	10.00	10.50	16 B
0-10-10							.70	10.00	10.20	10.00	11.00	
0-12-5							.90	12.00	13.00	5.00	5.08	
Superphosphate 0-20-0							.30	20.00	20.60			
Superphosphate 0-16-0							1.60	16.00	16.70			
Chestertown												
Medford	4.00	4.11	3.00	3.81	1.00	.30	.30	8.00	7.50	8.00	8.01	41 A
4-8-8	2.00	1.68	1.50	1.26	.50	.42	.50	12.00	12.10	6.00	6.40	9 B
2-12-6	2.00	2.13	1.50	1.78	.50	.35	.20	9.00	9.10	5.00	5.50	21 B
2-9-5	2.00	1.98	1.50	1.52	.50	.46	.30	8.00	8.50	10.00	9.90	195 B
2-8-10							.40	12.00	13.30	5.00	5.36	
0-12-5							.20	18.00	20.30			
0-18-0												
Medford Fertilizer Works, Medford, Md.												

† Not licensed at time of sampling.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)				PHOSPHORIC ACID (P2O5)		POTASH (K2O)		Acidity A Basidity B		
		Total	Mineral		Organic	Insol- uble	Available	Guaranteed	FOUND			
			Declared	FOUND							Declared	FOUND
The Frederick Mehring Fertilizer Works, Inc., Keymar, Md.												
†Mt. Airy Turf & Truck Special 6-6-5	Mt. Airy	6.00	5.98	5.00	5.15	1.00	.83	6.00	7.20	5.40 438 A		
†Mt. Airy Pea Special 5-10-5	Mt. Airy	5.00	4.98	2.60	3.78	2.40	1.20	10.00	10.70	5.20 311 A		
†Mehrong's Early Truck Guano 4-8-8	Woodsboro	4.00	4.02	3.60	3.60	.40	.42	8.00	8.30	8.20 17 B		
†Mehring's Early Truck Guano 4-8-8	Keymar	4.00	3.99	3.60	3.44	.40	.55	8.00	8.40	8.40 1 A		
†Mt. Airy Wheat & Corn Special 3-12-6	Mt. Airy	3.00	3.02	1.50	2.06	1.50	.96	12.00	12.30	7.06 191 A		
†Mehring's Indian Chief 2-12-6	Keymar	2.00	2.05	1.60	1.64	.40	.41	12.00	12.20	6.00 650 92 B		
†Mehring's Mammoth Truck Grower 2-9-5	Keymar	2.00	2.04	1.60	1.52	.40	.52	9.00	9.10	5.08 281 B		
†Open Formula 2-9-5	Keymar	2.00	1.92	1.60	1.57	.40	.35	9.00	9.50	5.20 85 B		
†Mehring's Superphosphate 0-16-0	Keymar						1.20	16.00	16.50			
The Meyer Seed Co., Baltimore, Md.												
M-S Lawn & Plant Food 6-6-5	Baltimore	6.00	6.23	3.60	4.12	2.40	2.11	6.00	6.80	5.38 131 A		
Miller Chemical & Fertilizer Corp., Baltimore, Md.												
Rich Yield 6-6-5	Baltimore	6.00	5.98	5.10	5.34	.90	.64	6.00	6.30	5.42 337 A		
†Rich Yield 5-10-5	Denton	5.00	5.01	4.00	4.24	1.00	.77	10.00	10.60	5.42 284 A		
†Rich Yield 4-8-10	Denton	4.00	3.96	3.00	3.02	1.00	.94	8.00	8.90	10.08 250 A		
Potato and Vegetable Special 4-8-8	Laurel	4.00	4.00	3.00	3.34	1.00	.66	8.00	8.40	8.00 342 A		
†Rich Yield 4-8-5	Baltimore	4.00	3.96	3.20	3.24	.80	.72	8.00	8.40	5.00 190 A		
†Rich Yield 3-12-6	Baltimore	3.00	3.09	2.25	2.42	.75	.67	12.00	12.40	6.13 302 A		
†Rich Yield 3-8-10	Denton	3.00	2.98	2.25	2.33	.75	.65	8.00	8.40	10.40 205 A		
†Rich Yield 2-12-6	Ellicott City	2.00	2.02	1.50	1.15	.50	.87	12.00	12.10	6.36 74 A		
Fish Brand 2-12-6	Baltimore	2.00	1.99	.80	.98	1.20	1.01	12.00	12.30	6.21 290 A		
Harvest Queen 2-9-5	Laurel	2.00	1.97	1.20	1.27	.80	.70	9.00	9.00	5.30 162 A		
Harvest Queen 2-9-5	Baltimore	2.00	1.99	1.20	1.41	.80	.58	5.00	5.00	5.04 200 A		
Harvest Queen 2-9-5	Baltimore	2.00	2.06	1.20	1.38	.80	.68	5.00	5.00	5.28 124 B		
Harvest Queen 2-9-5	Laurel	2.00	2.04	1.20	1.57	.80	.47	5.00	5.00	5.04 145 A		
Rich Yield 2-8-10	Baltimore	2.00	2.01	1.20	1.26	.80	.75	8.00	8.50	10.50 41 A		
Raw Bone Meal 3.70-T. P. A. 20.50-0	Elkton	3.70	4.30					*20.50	*24.40			
†Raw Bone Meal 3.70-T. P. A. 20.50-0	Laurel	3.70	4.28					*20.50	*22.90			
†Rich Yield 0-12-12	Denton						.40	12.00	12.00	12.40		

[illegible]

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)				PHOSPHORIC ACID (P ₂ O ₅)		POTASH (K ₂ O)		Acidity A	Acidity B		
		Total	Mineral		Organic	Insol- uble	Available	Guaranteed	FOUND				
			Declared	FOUND								Declared	FOUND
The Pulverized Manure Co., Chicago, Ill. Wizard Brand Pulverized Sheep Manure 2-T, P. A. 1-2 Wizard Brand Cow Manure 2-T.P.A. 1-1	Baltimore	2.00	2.08										
	Baltimore	2.00	2.13										
The Ramsburg Fertilizer Co., Frederick, Md. High Grade Trucking Fertilizer 4-8-8 High Grade Trucking Fertilizer 4-8-8 Champion 3-12-6 Champion 3-12-6 Royal Crop Grower 2-12-6 Royal Crop Grower 2-12-6 Special Fish Brand Fertilizer 2-12-6 Special Fish Brand Fertilizer 2-12-6 Excelsior Plant Food 2-12-4 Old Virginia Compound 2-9-5 Old Virginia Compound 2-9-5 Corn & Potato Fertilizer 1-10-5 Special Rock & Potash 0-12-5 Superphosphate 0-20-0 Superphosphate 0-16-0	Frederick	4.00	4.03	3.20	3.26	.80	.77	1.50	8.00	8.20	8.00	3.88	
	Frederick	4.00	4.16	3.20	3.58	.80	.58	1.30	8.00	7.80	8.00	10.40	71 A
	Frederick	3.00	2.64	2.35	1.68	.65	.96	3.30	12.00	10.40	6.00	6.34	31 A
	Frederick	3.00	2.84	2.35	2.11	.65	.73	2.00	12.00	12.10	6.00	5.40	192 A
	Frederick	2.00	1.97	1.35	1.32	.65	.65	2.20	12.00	12.20	6.00	5.74	23 B
	Frederick	2.00	2.02	1.35	1.32	.65	.70	2.10	12.00	12.10	6.00	5.70	124 B
	Frederick	2.00	2.01	1.10	.87	.90	1.14	3.30	12.00	11.40	6.00	6.05	10 B
	Frederick	2.00	2.06	1.10	.93	.90	1.13	2.50	12.00	11.70	6.00	6.60	348 B
	Frederick	2.00	2.19	1.35	1.38	.65	.81	1.70	12.00	11.40	4.00	4.66	251 A
	Frederick	2.00	2.02	1.35	1.35	.65	.67	1.70	9.00	8.60	5.00	5.35	175 B
	Frederick	2.00	2.04	1.35	1.39	.65	.65	1.30	9.00	9.10	5.00	5.40	105 A
	Frederick	1.08	1.00	.50	.59	.50	.49	.40	10.00	11.00	5.00	5.48	65 A
	Frederick								.70	12.00	13.10	5.00	
	Frederick								.80	20.00	20.90		
	Frederick								.90	16.00	16.80		
	Read Drug & Chemical Co., Baltimore, Md. Plantgro 4-12-4 Raw Bone Meal 3.70-T. P. A. 21.50-0	Baltimore	4.00	3.97	4.00	3.33		.64	2.40	12.00	13.00	4.00	4.34	204 A
Baltimore		3.70	3.75						*21.50	*21.90			
The Reindollar Co., Taneytown, Md. Trucker's Special 4-8-8 Grain Grower 2-12-6 Crop Grower 2-9-5 Superphosphate 0-16-0	Taneytown	4.00	3.97	3.20	2.89	.80	1.08	.50	8.00	9.10	8.00	8.36	41 A
	Taneytown	2.00	2.04	1.40	1.00	.60	1.04	.60	12.00	12.10	6.00	6.12	155 B
	Taneytown	2.00	2.04	1.50	1.47	.50	.55	.30	9.00	9.70	5.00	5.46	47 A
	Taneytown							.20	16.00	17.60			

E. Miller Richardson & Co., Baltimore, Md.
Richardson's Rose & Plant Food
3-T. P. A. 6-6

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)				PHOSPHORIC ACID (P205)			POTASH (K20)		Acidity A	Acidity B	
		Total		Mineral		Organic	Insol- uble	Available	FOUND	Guaranteed			
		Guaranteed	FOUND	Declared	FOUND								
The Wm. Schludenberg-T. J. Kurdle Co., Baltimore, Md. Esskay Plant Food 5-9-4 Esskay Plant Food 5-9-4 Esskay Raw Bone Meal 3.50-T. P. A. 25-0	Towson Baltimore Baltimore	5.00 5.00 3.50	6.77 6.80 3.93	.04 .04	5.00 5.00	6.73 6.76	3.50 2.80	9.00 9.00 *25.00	11.60 12.20 *25.10	4.00 4.00	4.00 4.12	114 B 163 B	
O. M. Scott & Sons Co., Marysville, Ohio †Scotts Turf Builder 10-6-4	Towson	10.00	10.30	7.00	6.71	3.00	3.59	.20	6.00	6.10	4.00	4.52	1 B
R. H. Slingluff Fertilizer Co., Baltimore, Md. Slingluff's 10% Tobacco Bed 10-5-2 †Slingluff's Tobacco Bed Mixture 8-5-2 †Slingluff's Tobacco Bed Compound 6-6-8 Slingluff's 6% Trucker 6-6-5 †Slingluff's 6% Trucker 6-6-5 †Slingluff's Marlboro Tobacco Fert., 4-8-16 Slingluff's 4-12-4 Slingluff's High Grade Tobacco 4-8-12 Slingluff's High Grade Tobacco 4-8-12 Slingluff's Long Red 4-8-10 Slingluff's Truck & Potato 4-8-7 †Slingluff's Grain & Grass 2-12-4 †Slingluff's Grain & Grass 2-12-4 †Slingluff's Champion 2-9-5 †Superphosphate 0-20-0 Superphosphate 0-16-0	Baltimore Baltimore Baltimore Baltimore Baltimore Baltimore Baltimore Faulkner Baltimore Baltimore Baltimore Baltimore Baltimore Baltimore Baltimore	10.00 8.00 6.00 6.00 6.00 4.00 4.00 4.00 4.00 4.00 2.00 2.00 2.00	10.15 7.94 5.97 5.98 6.22 4.07 4.30 4.17 3.96 4.27 3.97 1.98 1.97 2.11	9.00 7.20 5.40 3.60 3.60 3.40 3.00 3.40 3.40 3.40 3.00 1.50 1.50 1.60	9.06 6.94 4.94 3.71 3.73 3.54 3.30 3.51 3.47 3.54 3.34 1.57 1.43 1.59	1.00 .80 1.03 2.27 2.49 2.40 1.00 .66 .49 60 1.00 .41 .54 .40	.30 .30 .30 30 30 30 30 30 30 30 30 50 						

Smith Fertilizer 4-8-5..... 4.00 3.97 2.80 2.41 1.20 1.56 .80 8.00 8.20 5.00 5.30 20 B

Smith Fertilizer 4-8-5.....	Salisbury	4.00	3.97	2.80	2.41	1.20	1.56	.80	8.00	8.20	5.00	5.30	20 B
†Smith Muriate of Potash 0-0-50.....	Salisbury										50.00	51.20	
Soil Service, Rehoboth, Del.													
Soil Service 2-8-10.....	Denton	2.00	1.81		.20	2.00	1.61	.30	8.00	9.40	10.00	9.40	396 B
Southern States Cooperative, Inc., Richmond, Va.													
Southern States Cooperative Quality Open Formula Fertilizer 6-6-5.....	Baltimore	6.00	5.97	3.60	3.62	2.40	2.35	.60	6.00	6.30	5.00	5.40	215 A
Southern States Cooperative Quality Open Formula Fertilizer 6-6-5.....	Baltimore	6.00	5.86	3.60	3.57	2.40	2.29	.40	6.00	6.80	5.00	5.40	215 A
Southern States Cooperative Quality Open Formula Fertilizer 6-6-5.....	Baltimore	6.00	5.97	3.60	3.61	2.40	2.36	.40	6.00	6.80	5.00	5.28	209 A
Southern States Cooperative Quality Open Formula 6-6-5.....	Baltimore	6.00	5.83	3.60	3.37	2.40	2.46	.60	6.00	6.80	5.00	5.20	110 A
Southern States Cooperative Quality Open Formula 6-6-5.....	Baltimore	6.00	5.96	3.60	3.54	2.40	2.42	.60	6.00	6.20	5.00	5.20	485 A
Southern States Cooperative Quality Big Yield 6-6-5.....	Baltimore	6.00	6.00	5.10	3.93	.90	2.07	.40	6.00	6.40	5.00	5.26	190 A
Southern States Cooperative Quality Open Formula Super 5-10-5.....	Baltimore	5.00	4.96	3.00	2.92	2.00	2.04	.90	10.00	10.30	5.00	5.60	87 A
Southern States Cooperative Quality Open Formula Super 5-8-12.....	Baltimore	5.00	4.97	3.00	3.05	2.00	1.92	.60	8.00	8.70	12.00	12.50	129 A
Southern States Cooperative Quality Open Formula Super Truck 5-8-5.....	Baltimore	5.00	4.69	3.00	2.98	2.00	1.71	.70	8.00	9.20	5.00	5.12	12 A
Southern States Cooperative Quality Open Formula Super Truck 5-8-5.....	Baltimore	5.00	5.05	3.00	2.98	2.00	2.07	.80	8.00	8.00	5.00	5.28	343 B
Southern States Cooperative Quality Open Formula Super Truck 5-8-5.....	Baltimore	5.00	4.77	3.00	3.00	2.00	1.77	.80	8.00	8.00	5.00	5.60	102 B
Southern States Cooperative Quality Open Formula Fertilizer 4-12-4.....	Baltimore	4.00	3.96	2.40	2.39	1.60	1.57	1.00	12.00	11.70	4.00	4.34	266 B
Southern States Cooperative Quality Open Formula Fertilizer 4-8-10.....	Baltimore	4.00	3.98	2.40	2.44	1.60	1.54	.60	8.00	8.40	10.00	10.32	56 B
Southern States Cooperative Quality Open Formula Fertilizer 4-8-8.....	Baltimore	4.00	3.97	2.40	2.50	1.60	1.47	.60	8.00	8.40	8.00	8.24	46 B
Southern States Cooperative Quality Open Formula Fertilizer 4-8-8.....	Taneytown	4.00	3.76	2.40	2.33	1.60	1.43	.50	8.00	9.50	8.00	8.56	87 B
Southern States Cooperative Quality Open Formula Fertilizer 4-8-8.....	Baltimore	4.00	4.04	2.40	2.44	1.60	1.60	.60	8.00	8.00	8.00	8.24	224 B
Southern States Cooperative Quality Open Formula Fertilizer 4-8-8.....	Baltimore	4.00	3.99	2.40	2.42	1.60	1.57	.60	8.00	8.20	8.00	8.36	4 A

* Total Phosphoric Acid.

† Not licensed at time of sampling.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)				PHOSPHORIC ACID (P2O5)			POTASH (K2O)		FOUND		
		Total	Mineral		Organic	Insol- uble	Available	FOUND	Guaranteed				
			Declared	FOUND						Declared		FOUND	
													Guaranteed	FOUND	Guaranteed	FOUND
Southern States Cooperative, Inc., Richmond, Va. (Continued)													
Southern States Cooperative Quality Open Formula Fertilizer 4-8-8.....	Baltimore.....	4.00	3.98	2.40	2.50	1.60	1.48	.60	8.00	8.00	8.00	8.00	6 B
Southern States Cooperative Quality Open Formula Fertilizer 4-8-8.....	Laurel.....	4.00	4.04	2.40	2.58	1.60	1.46	1.10	8.00	8.00	8.00	8.50	200 B
Southern States Cooperative Quality Big Formula Fertilizer 4-8-7.....	Baltimore.....	4.00	3.97	3.00	3.06	1.00	.91	.40	8.00	8.30	7.00	7.18	308 A
Southern States Cooperative Quality Big Yield 4-8-7.....	Baltimore.....	4.00	3.99	3.00	3.05	1.00	.94	.40	8.00	9.10	7.00	6.97	318 A
Southern States Cooperative Quality Big Yield 4-8-7.....	Baltimore.....	4.00	4.09	3.00	3.10	1.00	.99	.50	8.00	8.40	7.00	7.00	185 B
Southern States Cooperative Quality Open Formula Fertilizer 4-8-5.....	Baltimore.....	4.00	3.97	2.40	2.72	1.60	1.25	.70	8.00	8.80	5.00	5.50	213 B
Southern States Cooperative Quality Open Formula Fertilizer 3-12-6.....	Baltimore.....	3.00	2.99	1.80	2.02	1.20	.97	.90	12.00	12.30	6.00	6.40	7 A
Southern States Cooperative Quality Open Formula Fertilizer 3-12-6.....	Frederick.....	3.00	3.00	1.80	1.77	1.20	1.23	.80	12.00	12.20	6.00	6.60	25 B
Southern States Cooperative Quality Open Formula Fertilizer 3-12-6.....	Baltimore.....	3.00	3.09	1.80	2.04	1.20	1.05	.90	12.00	11.80	6.00	6.50	10 A
Southern States Cooperative Quality Open Formula Fertilizer 3-12-6.....	Baltimore.....	3.00	3.17	1.80	1.94	1.20	1.23	.90	12.00	12.10	6.00	6.36	17 B
Southern States Cooperative Quality Open Formula Fertilizer 3-12-6.....	Baltimore.....	3.00	3.23	1.80	1.99	1.20	1.24	.70	12.00	12.10	6.00	6.40	180 A
Southern States Cooperative Quality Open Formula 3-8-10.....	Baltimore.....	3.00	2.98	1.80	1.91	1.20	1.07	.40	8.00	8.60	10.00	10.40	118 B
Southern States Cooperative Quality Big Yield 2-12-6.....	Baltimore.....	2.00	2.20	1.50	1.57	.50	.63	.60	12.00	12.00	6.00	6.46	71 A
Southern States Cooperative Quality Big Yield 2-12-6.....	Owings Mills.....	2.00	1.97	1.50	1.59	.50	.38	.40	12.00	12.00	6.00	6.32	146 A
Southern States Cooperative Quality Big Yield 2-12-6.....	Baltimore.....	2.00	2.13	1.50	1.41	.50	.72	.60	12.00	12.80	6.00	6.44	62 B

Southern States Cooperative Quality Big Yield 2-12-6	Baltimore	2.00	2.18	1.50	1.68	.50	.50	.60	12.00	11.70	6.00	6.80	110 A
Southern States Cooperative Quality Open Formula 2-12-6	Baltimore	2.00	2.04	1.20	1.32	.80	.72	.50	12.00	12.00	6.00	6.36	78 B
Southern States Cooperative Quality Open Formula 2-12-6	Baltimore	2.00	2.12	1.20	1.31	.80	.81	.70	12.00	12.40	6.00	6.36	129 B
Southern States Cooperative Quality Open Formula 2-12-4	Baltimore	2.00	1.99	1.20	1.25	.80	.74	.60	12.00	12.10	4.00	4.50	107 B
Southern States Cooperative Quality Big Yield 2-9-5	Baltimore	2.00	2.20	1.50	1.60	.50	.60	.50	9.00	9.10	5.00	5.20	152 B
Southern States Cooperative Quality Big Yield 2-9-5	Baltimore	2.00	2.11	1.50	1.60	.50	.51	.46	9.00	9.50	5.00	5.28	81 A
Southern States Cooperative Quality Open Formula 2-9-5	Baltimore	2.00	2.01	1.50	1.52	.50	.49	.50	9.00	8.70	5.00	5.08	82 A
Southern States Cooperative Quality Open Formula 2-9-5	Baltimore	2.00	2.12	1.20	1.28	.80	.84	.40	9.00	9.50	5.00	5.08	108 B
Southern States Cooperative Quality Big Yield 2-8-10	Baltimore	2.00	2.05	1.20	1.21	.80	.84	.50	9.00	9.10	5.00	5.04	58 B
Southern States Cooperative Quality Big Yield 2-8-10	Owings Mills	2.00	2.08	1.50	1.61	.50	.47	.40	8.00	8.80	10.00	10.60	50 A
Southern States Cooperative Quality Open Formula 2-8-10	Baltimore	2.00	2.08	1.50	1.36	.50	.72	.50	8.00	8.20	10.00	10.04	387 B
Southern States Cooperative Quality Raw Bone Meal 3.70-T. P. A. 20-0	Baltimore	2.00	2.13	1.20	1.35	.80	.78	.50	8.00	8.20	10.00	10.44	15 B
Southern States Cooperative Quality Steamed Bone Meal 2.47-T. P. A. 21-0	Owings Mills	3.70	4.02						*20.00	*22.20			
Southern States Cooperative Quality Open Formula Fertilizer 0-12-12	Salisbury	2.47	2.46						*21.00	*28.60			
Southern States Cooperative Quality Open Formula Fertilizer 0-12-12	Baltimore							.80	12.00	12.00	12.00	12.40	
Southern States Cooperative Quality Open Formula 0-10-10	Baltimore							.80	12.00	12.00	12.00	12.70	
Southern States Cooperative Quality Big Yield 0-12-5	Baltimore							.80	10.00	10.10	10.00	10.50	
Southern States Cooperative Quality Open Formula Superphosphate 0-20-0	Baltimore							.90	12.00	12.30	5.00	5.35	
Southern States Cooperative Quality Super- phosphate 0-16-0	Baltimore						1.00	20.00	20.10				
	Baltimore						.80	16.00	16.10				

* Total Phosphoric Acid.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)				PHOSPHORIC ACID (P2O5)		POTASH (K2O)		Acidity A Basility B								
		Total	Mineral	Organic	Insol- uble	Available	Guaranteed	FOUND	FOUND									
											Declared	FOUND	Declared	FOUND				
															FOUND	FOUND	FOUND	FOUND
Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	Guaranteed	FOUND	Guaranteed	FOUND									
Standard Wholesale Phosphate & Acid Works, Inc., Baltimore, Md.																		
†Standard 10-6-4	Denton	10.00	9.74	8.00	8.20	2.00	1.54	.20	6.00	7.00	4.00	4.76	789 A					
Standard 6-6-5	Catonsville	6.00	5.97					.60	6.00	6.70	5.00	5.20						
Standard 6-6-5	Reisterstown	6.00	5.97					.50	6.00	7.10	5.00	5.44						
Standard 6-6-5	Baltimore	6.00	5.21	3.60	2.90	2.40	2.31	.80	6.00	8.10	5.00	6.09	304 A					
Standard 6-6-5	Breathedsville	6.00	5.98					.40	6.00	6.20	5.00	5.24						
Standard 6-6-5	Sykesville	6.00	5.97					.40	6.00	6.90	5.00	5.20						
Standard 6-6-5	Cheltenham	6.00	5.97					.50	6.00	6.80	5.00	5.04						
Standard 6-6-5	Baltimore	6.00	5.98	4.80	3.34	1.20	2.64	.90	6.00	6.20	5.00	5.70	353 A					
Standard 6-6-5	Owings Mills	6.00	5.98					.50	6.00	6.50	5.00	5.42						
Standard 6-6-5	Loch Raven	6.00	5.97					.30	6.00	6.80	5.00	5.35						
Standard 6-6-5	Glen Burnie	6.00	6.04					.50	6.00	6.60	5.00	5.35						
Standard 6-6-5	Catonsville	6.00	5.97					.30	6.00	6.10	5.00	5.28						
Standard 6-6-5	Cambridge	6.00	6.03					.20	6.00	6.40	5.00	5.80						
Standard 6-6-5	Jessups	6.00	6.00					.50	6.00	7.00	5.00	5.40						
Standard 6-6-5	Baltimore	5.00	5.00	4.00	3.86	1.00	1.14	.70	10.00	10.90	5.00	5.48	314 A					
Standard 5-10-5	Loch Raven	5.00	4.93					.80	10.00	10.00	5.00	5.44						
Standard 5-10-5	Breathedsville	5.00	5.56					.40	8.00	8.00	12.00	12.10						
Standard 5-8-12	Catonsville	5.00	4.96					.50	8.00	8.50	12.00	12.50						
Standard 5-8-12	Baltimore	4.00	3.99	3.20	3.19	.80	.80	.60	12.00	12.70	4.00	4.40	364 A					
Standard 4-12-4	Baltimore	4.00	4.02	3.20	3.16	.80	.86	.80	8.00	8.70	8.00	8.24	322 A					
Standard 4-8-8	Baltimore	4.00	4.04					1.10	8.00	8.00	8.00	8.16						
Standard 4-8-8	Reisterstown	4.00	3.96					.70	8.00	8.40	8.00	9.60						
Standard 4-8-8	Breathedsville	4.00	4.11					.40	8.00	8.00	8.00	8.24	231 A					
Standard 4-8-8	Cheltenham	4.00	3.99	3.20	2.84	.80	1.15	.50	8.00	8.20	8.00	9.10						
Standard 4-8-8	Baltimore	4.00	3.97	3.20	1.92	.80	2.05	.70	8.00	8.60	8.00	9.27						
Standard 4-8-5	Breathedsville	4.00	4.02					.90	8.00	9.30	5.00	5.50						
Standard 4-8-5	Breathedsville	4.00	4.00					.90	8.00	8.20	5.00	5.50						
Standard 4-8-5	Catonsville	4.00	4.04					.90	8.00	8.40	5.00	5.35						
Standard 4-8-5	Jessups	4.00	4.00					.90	8.00	8.30	5.00	5.60						
Standard 4-8-5	Baltimore	3.00	2.98	2.40	2.15	.60	.83	1.00	12.00	12.00	6.00	6.68	199 A					
Standard 3-12-6	Breathedsville	3.00	3.07					1.00	12.00	12.50	6.00	6.68						

Standard 3-12-6
Standard 3-12-6

Breathedsville
Glen Burnie

3.00 2.53
3.00

1.00 12.00 12.10 6.00

6.68

Standard 4-8-6.....	3.00	2.98	2.40	2.15	.60	.83	1.00	12.00	12.50	6.00	6.68
Standard 3-12-6.....	3.00	3.07					1.00	12.00			
Baltimore.....											
Breathesville.....											
Standard 3-12-6.....	3.00	2.53					1.00	12.00	12.10	6.00	6.68
Standard 3-12-6.....	3.00	2.97					1.60	12.00	11.10	6.00	6.40
Standard 2-12-6.....	2.00	2.04					1.00	12.00	12.40	6.00	6.80
Standard 2-12-6.....	2.00	2.13					.90	12.00	12.60	6.00	6.50
Standard 2-12-6.....	2.00	2.25					1.00	12.00	12.00	6.00	6.50
Standard 2-12-6.....	2.00	2.08					1.00	12.00	11.50	6.00	6.36
Standard 2-12-6.....	2.00	2.11					.90	12.00	11.70	6.00	6.40
Standard 2-9-5.....	2.00	2.06	1.60	1.60	.40	.46	.70	9.00	9.00	5.00	6.98 149 A
Standard 2-9-5.....	2.00	2.04					1.10	9.00	9.00	5.00	6.05
Standard 2-8-10.....	2.00	2.06	1.60	1.54	.40	.52	.70	8.00	8.80	10.00	10.40 119 A
Standard 2-8-10.....	2.00	2.04					.70	8.00	8.00	10.00	10.50
Standard 2-8-10.....	2.00	2.16					.80	8.00	8.80	10.00	10.50
Standard 2-8-10.....	2.00	2.05					.90	8.00	7.80	10.00	10.44
Stand. Raw Bone Meal 3.70-T. P. A. 23-0.....	3.70	3.72					*23.00	*22.10			
Standard 0-14-6.....	3.70	3.83					*23.00	*21.50			
Standard Superphosphate 0-20-0.....							.60	14.00	14.10	6.00	7.22
Standard Superphosphate 0-20-0.....							.80	20.00	19.50		
Standard Superphosphate 0-20-0.....							.40	20.00	20.10		
Standard Superphosphate 0-16-0.....							1.00	20.00	20.80		
Standard Superphosphate 0-16-0.....							.60	16.00	16.80		
Summers Fertilizer Co., Inc., Baltimore, Md.											
†Summers 3-12-6.....	3.00	3.03	2.75	2.67	.25	.36	.90	12.00	12.30	6.00	6.36 22 B
Baltimore.....											
Swift & Co., Fertilizer Works, A Division of Swift & Co., Baltimore, Md.											
Swift's Red Steer Tobacco Grower 10-5-2.....	10.00	9.82	8.00	8.00	2.00	1.82	.20	5.00	5.50	2.00	2.00 292 A
Swift's Red Steer Tobacco Grower 10-5-2.....	10.00	9.54	8.00	8.17	2.00	1.37	.20	5.00	5.30	2.00	2.16 252 A
Swift's Red Steer Tobacco Grower 8-5-2.....	8.00	7.95	6.40	6.48	1.60	1.47	.30	5.00	5.70	2.00	2.44 62 B
Swift's Red Steer 6-6-5.....	6.00	5.97	4.50	4.62	1.50	1.35	.50	6.00	6.30	5.00	5.46 8 A
Swift's Red Steer 4-12-4.....	4.00	3.97	3.40	3.27	.60	.70	.90	12.00	12.10	4.00	4.18 82 A
Swift's Red Steer 4-12-4.....	4.00	3.97	3.40	3.41	.60	.56	.90	12.00	12.10	4.00	4.44 32 A
Swift's Red Steer Tobacco Grower 4-8-12.....	4.00	4.18	3.00	3.28	1.00	.90	.60	8.00	8.30	12.00	12.44 78 A
Swift's Red Steer Tobacco Grower 4-8-10.....	4.00	3.99	3.00	3.22	1.00	.77	.80	8.00	8.00	10.00	10.46 101 A
Swift's Red Steer 4-8-5.....	4.00	3.99	3.00	3.21	1.00	.78	.80	8.00	8.10	5.00	5.28 82 A
Swift's Red Steer 3-8-10.....	3.00	2.99	2.25	2.50	.75	.49	.70	8.00	8.00	10.00	10.46 42 A
Swift's Red Steer 2-12-6.....	2.00	1.99	1.50	1.26	.50	.73	.80	12.00	12.10	6.00	6.44 29 A
Swift's Red Steer 2-9-5.....	2.00	2.13	1.50	1.71	.50	.42	.50	9.00	9.00	5.00	5.24 45 A
Swift's Red Steer 2-9-5.....	2.00	2.06	1.50	1.46	.50	.60	.90	9.00	8.70	5.00	5.60 4 A
Swift's Red Steer 2-9-5.....	2.00	2.08	1.50	1.55	.50	.53	.70	9.00	9.00	5.00	5.34 139 A
Raw Bone Meal Fert. 3.70-T. P. A. 20-0.....	3.70	4.26					*20.00	*21.50			

† Not licensed at time of sampling.

* Total Phosphoric Acid.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)				PHOSPHORIC ACID (P2O5)		POTASH (K2O)		Acidity A Basicity B			
		Total	Mineral		Organic	Insol- uble	Available		Guaranteed				
			Declared	FOUND			Declared	FOUND					
											Guaranteed	FOUND	
Swift & Co. Fertilizer Works, A Division of Swift & Co., Baltimore, Md. (Cont.) Raw Bone Meal Fert. 3.70-T.P.A.20-0 Bone Meal Fertilizer 2.47-T.P.A.23-0 Bone Meal Fertilizer 2.47-T.P.A. 23-0 Swift's Sheep Manure 1.85-T.P.A. 1-1.75 Swift's Sheep Manure 1.85-T.P.A. 1-1.75 Swift's Cattle Manure 1.85-T.P.A. .75-1.50 Swift's Cattle Manure 1.85-T.P.A. .75-1.50 Swift's Red Steer Superphosphate 0-20-0 Swift's Red Steer Superphosphate 0-20-0 Swift's Red Steer Superphosphate 0-16-0	Baltimore	3.70	3.89										
	Hagerstown	2.47	2.65										
	Baltimore	2.47	2.58										
	Hagerstown	1.85	2.04										
	Laurel	1.85	2.29										
	Baltimore	1.85	2.32										
	Hagerstown	1.85	2.46										
	Baltimore												
	Baltimore												
	Baltimore												
	Baltimore												
	Baltimore												
Tennessee Corp., Lockland, Ohio Loma 5-10-4	Baltimore	5.00	5.07	4.00	4.11	1.00	.96	.30	10.00	10.40	4.00	4.34	315 A
Thomas & Co., Gaithersburg, Md. Pea Mixture 4-8-5 Sure Crop 2-12-6 Wheat and Grass Grower 2-9-5 Harvest Queen 1-10-5 Rock & Potash 0-12-5 Superphosphate 0-16-0	Gaithersburg	4.00	4.37	3.20	4.31	.80	.06	.90	8.00	8.40	5.00	5.35	136 A
Gaithersburg	2.00	2.39	1.80	2.16	.20	.23	.50	12.00	12.70	6.00	7.28	4 A	
Gaithersburg	2.00	2.15	1.80	2.07	.20	.08	1.20	9.00	8.40	5.00	5.90	124 B	
Gaithersburg	1.00	1.18	.80	.93	.20	.25	1.10	10.00	10.10	5.00	5.36	132 B	
Gaithersburg								1.40	12.00	15.40	5.00	5.80	
Gaithersburg								2.20	16.00	15.40			
I. P. Thomas & Son Co. Camden, N. J. 6% Guano 6-6-5 Kainit 0-0-20	Denton	6.00	6.00	4.50	4.58	1.50	1.42	.50	6.00	6.90	5.00	5.70	173 A
Denton											20.00	21.64	
Wm. B. Tilghman Co., Salisbury, Md. Tilghman's Potato Mixture 7-7-7 Tilghman's Potato Mixture 7-7-7 Tilghman's Irish P. Guano 6-6-5 Tilghman's Irish P. Guano 6-6-5	Salisbury	7.00	7.05	4.90	4.77	2.10	2.28	.50	7.00	7.40	7.00	7.32	321 A
Salisbury	7.00	6.97	4.90	4.70	2.10	2.27	.60	7.00	7.70	7.00	7.37	351 A	
Princess Anne	6.00	5.98	4.20	4.38	1.80	1.60	.20	6.00	6.20	5.00	5.04	174 A	
Salisbury	6.00	6.05	4.20	4.21	1.80	1.84	.20	6.00	6.50	5.00	5.24	187 A	
Tilghman's Irish P. Guano 6-6-5 Tilghman's Q. Brand 6-6-5	Salisbury	6.00	6.18	4.20	4.52	1.80	1.66	.20	6.00	6.80	5.00	5.28	162 A
Tilghman's Irish P. Guano 6-6-5 Tilghman's Q. Brand 6-6-5	Salisbury	6.00	6.47	3.60	4.11	2.40	2.36	.20	6.00	6.80	5.00	5.28	162 A

Princess Anne Salisbury	6.00 6.00	5.98 6.05	4.20 4.20	4.38 4.21	1.80 1.80	1.60 1.84	..... .....	5.28 5.24	162 A 187 A
Tilghman's Irish P. Guano 6-6-5 Tilghman's Irish P. Guano 6-6-5 Tilghman's Q. Brand 6-6-5 Tilghman's Standard 5-8-12 Tilghman's Early Truck 5-8-7 Tilghman's Tomato Mixture 4-8-10 Tilghman's Tomato Mixture 4-8-10 Tilghman's Special 4-8-8 Tilghman's Melon Mixture 4-8-7 Tilghman's Melon Mixture 4-8-7 Tilghman's Special 4-8-5 Tilghman's Special 4-8-5 Tilghman's Special 4-8-5 Tilghman's Mixture B. 3-8-10 Tilghman's Mixture B. 3-8-10 Tilghman's S. P. 2-8-10 Tilghman's Raw Bone Meal 3.70-T.P.A. 20.50-0 Tilghman's Superphosphate 0-20-0 Tilghman's Superphosphate 0-16-0	6.00 6.00 5.00 5.00 5.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 3.00 3.00 2.00 3.70 3.70 3.69 								

† Not licensed at time of sampling.

* Total Phosphoric Acid.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)				PHOSPHORIC ACID (P2O5)			POTASH (K2O)		FOUND	Acidity A Basicity B	
		Total		Mineral		Organic		Insol- uble	Available				
		FOUND		Declared		FOUND			Guaranteed				
		Guaranteed	FOUND	Declared	FOUND	Guaranteed	FOUND						
E. S. Valliant & Son, Centreville, Md.													
Booster 6-6-5	Centreville	6.00	5.96	5.25	4.93	.75	1.03	.30	6.00	6.60	5.00	5.28	3 B
Booster 6-6-5	Centreville	6.00	6.05	5.25	5.36	.75	.69	.30	6.00	6.50	5.00	5.24	30 A
Harmony 4-8-7	Centreville	4.00	3.89	3.60	3.34	.40	.55	.30	8.00	8.80	7.00	7.37	63 A
Harmony 4-8-7	Centreville	4.00	4.27	3.60	3.65	.40	.62	.30	8.00	8.20	7.00	7.06	31 B
Standard 4-8-5	Centreville	4.00	3.97	3.60	3.54	.40	.43	.30	8.00	8.40	5.00	5.80	8 A
Standard 4-8-5	Centreville	4.00	4.21	3.60	3.85	.40	.36	.30	8.00	8.20	5.00	6.05	96 B
Valliant's Chester 3-12-6	Centreville	3.00	2.99	2.50	2.10	.50	.89	.60	12.00	12.30	6.00	6.50	89 A
Valliant's Chester 3-12-6	Centreville	3.00	3.02	2.50	2.19	.50	.83	.70	12.00	12.60	6.00	6.13	83 A
Favorite 3-8-10	Centreville	3.00	3.06	2.70	2.70	.30	.36	.40	8.00	8.00	10.00	10.00	65 B
Favorite 3-8-10	Centreville	3.00	3.17	2.70	2.85	.30	.32	.30	8.00	8.40	10.00	10.60	173 B
Excelsior 2-12-6	Centreville	2.00	2.06	1.60	1.66	.40	.40	.30	12.00	12.40	6.00	6.44	112 B
Keystone 2-9-5	Centreville	2.00	2.02	1.70	1.87	.30	.15	.20	9.00	10.20	5.00	5.98	43 B
Winner 2-8-10	Centreville	2.00	2.42	1.70	2.11	.30	.31	.60	8.00	7.70	10.00	10.60	78 A
Grower 0-10-10	Centreville							.70	10.00	10.30	10.00	10.60	
W. H. Valliant & Bro., Bellevue, Md.													
3-9-5	Bellevue	3.00	2.71	1.00	.93	2.00	1.78	.90	9.00	9.10	5.00	5.80	263 B
Virginia-Carolina Chemical Corp., Baltimore, Md.													
†V-C. Fertilizer 6-6-8	Clements	6.00	6.15	4.20	4.07	1.80	2.08	.30	6.00	7.20	8.00	8.00	284 A
V-C. 6% Truck Fertilizer 6-6-5	Baltimore	6.00	5.98	3.60	3.79	2.40	2.19	.40	6.00	6.40	5.00	5.34	11 B
V-C. 6% Truck Fertilizer 6-6-5	Baltimore	6.00	6.21	3.60	3.62	2.40	2.59	.50	6.00	6.30	5.00	5.56	111 A
V-C. 6% Truck Fertilizer 6-6-5	Salisbury	6.00	6.09	3.60	3.71	2.40	2.38	.70	6.00	6.40	5.00	5.32	22 A
V-C. 6% Truck Fertilizer 6-6-5	Baltimore	6.00	5.97	3.60	3.58	2.40	2.39	.60	6.00	6.30	5.00	5.24	45 B
V-C. 6% Truck Fertilizer 6-6-5	Baltimore	6.00	6.15	3.60	3.86	2.40	2.29	.60	6.00	6.70	5.00	5.60	58 B
V-C. Fertilizer 5-8-12	Salisbury	5.00	4.97	3.75	3.16	1.25	1.81	.40	8.00	8.20	12.00	12.44	163 A
†V-C. Fertilizer 4-8-12 (Potash from Sulphate)	Baltimore	4.00	3.97	3.00	2.64	1.00	1.33	.60	8.00	8.00	12.00	12.80	144 A
†V-C. Fertilizer 4-8-10 (Potash from Sulphate)	Baltimore	4.00	4.11	3.00	2.64	1.00	1.47	.50	8.00	8.10	10.00	10.44	106 A
V-C. Fertilizer 4-8-10	Baltimore	4.00	3.97	3.00	2.77	1.00	1.20	.50	8.00	8.10	10.00	10.32	91 A

Sulphate)	4.00	4.11	3.00	2.64	1.00	1.47	.50	8.00	8.10	10.00	10.44	100 A
V-C. Fertilizer 4-8-10	4.00	3.97	3.00	2.77	1.00	1.20	.50	8.00	8.10	10.00	10.32	91 A
Baltimore												
Baltimore												
V-C. Fertilizer 4-8-10	4.00	3.99	3.00	2.78	1.00	1.21	.40	8.00	8.40	10.00	10.50	45 A
V-C. Fertilizer 4-8-10	4.00	4.04	3.00	2.96	1.00	1.08	.40	8.00	8.50	10.00	10.24	30 B
V-C. Fertilizer 4-8-8	4.00	4.11	3.00	3.07	1.00	1.04	.60	8.00	8.50	8.00	8.00	11 B
V-C. Fertilizer 4-8-8	4.00	4.10	3.00	2.67	1.00	1.43	.40	8.00	8.10	8.00	8.24	1 B
V-C. Fertilizer 4-8-8	4.00	3.93	3.00	2.82	1.00	1.11	.40	8.00	8.80	8.00	10.40	84 B
†V-C. Fert. 4-8-7 (Potash from Sulphate)	4.00	4.16	3.00	3.06	1.00	1.10	.50	8.00	8.00	7.00	7.92	20 B
V-C. Fertilizer 4-8-7	4.00	4.00	3.00	3.12	1.00	.88	.40	8.00	8.70	7.00	7.22	39 A
V-C. Fertilizer 2-12-6	2.00	1.98	1.50	1.32	.50	.66	.40	12.00	13.10	6.00	6.21	7 A
V-C. Fertilizer 2-12-6	2.00	2.01	1.50	1.33	.50	.68	.50	12.00	12.50	6.00	6.36	58 A
V-C. Fertilizer 2-12-4	2.00	2.01	1.50	1.35	.50	.66	.40	12.00	12.70	4.00	4.30	28 A
V-C. Fish & Potash Mixture 2-9-5	2.00	2.06	1.50	1.32	.50	.74	.50	9.00	9.70	5.00	5.46	63 A
V-C. Fish & Potash Mixture 2-9-5	2.00	2.04	1.50	1.40	.50	.64	.70	9.00	9.10	5.00	5.60	18 A
V-C. Fertilizer 2-8-10	2.00	1.97	1.50	1.33	.50	.64	.30	8.00	8.70	10.00	10.40	5 A
V-C. Fertilizer 2-8-10	2.00	1.97	1.50	1.31	.50	.66	.30	8.00	8.80	10.00	10.44	28 A
V-C. Fertilizer 0-14-6	2.00	1.97	1.50	1.31	.50	.66	.40	14.00	13.80	6.00	6.36	
V-C. Superphosphate 0-20-0							.70	20.00	20.20			
Walker-Gordon Laboratory Co., Inc., Plainsboro, N. J.												
Bovung 2-T. P. A. 2-2	2.00	2.06						*2.00	*2.80	2.00	2.24	
Bovung 2-T. P. A. 2-2	2.00	2.26						*2.00	*2.20	2.00	2.40	
Bethesda												
Baltimore												
Westminster Fertilizer Co., Westminster, Md.												
4-8-8	4.00	4.13	3.25	3.30	.75	.83	.20	8.00	8.90	8.00	8.44	108 A
2-12-6	2.00	2.06	1.40	1.57	.60	.49	.30	12.00	12.20	6.00	7.76	138 A
2-9-5	2.00	1.98	1.40	1.60	.60	.38	.20	9.00	10.10	5.00	6.00	58 B
†Leader 1-10-5	1.00	1.57	.60	1.10	.40	.47	.20	10.00	11.00	5.00	6.10	83 B
†Superphosphate 0-16-0							.30	16.00	17.10			
A. S. Woolley Co., Inc., Seaford, Del.												
Woolley's Better Crop 6-6-5	6.00	5.24	4.80	3.85	1.20	1.39	.50	6.00	10.40	5.00	4.98	176 A
Woolley's Better Crop 5-8-12	5.00	5.17	4.00	4.21	1.00	.96	.30	8.00	9.50	12.00	12.40	319 A
Woolley's Pride 4-8-5	4.00	4.09	3.20	3.71	.80	.38	.20	8.00	9.10	5.00	6.21	93 B
Woolley's Better Crop 3-8-10	3.00	3.23	2.40	2.30	.60	.93	.20	8.00	9.30	10.00	9.00	124 B
Wm. W. Woolston, Towson, Md.												
†Fertilizer 4-8-7	4.00	3.89	2.50	2.63	1.50	1.26	.90	8.00	7.60	7.00	7.42	1 B

* Total Phosphoric Acid.

† Not licensed at time of sampling.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)				PHOSPHORIC ACID (P2O5)		POTASH (K2O)		Acidity A Basidity B	
		Total		Mineral	Organic	Insol- uble	Available	Guaranteed	FOUND		
		Guaranteed	FOUND	Declared	FOUND						
			FOUND	Declared	FOUND						FOUND
The Worcester Fertilizer Co., Snow Hill, Md.											
Worcester's Top Dresser 9-5-4	Snow Hill	9.00	8.46	7.20	6.86	1.80	1.60	5.00	5.40	4.00	4.54 268 A
†Worcester's Top Dresser 9-5-4	Snow Hill	9.00	8.49	7.20	6.59	1.80	1.90	.30	5.00	4.00	4.26 137 A
Worcester's King Twenty 6-8-6	Snow Hill	6.00	6.00	4.20	4.27	1.80	1.73	.50	8.00	8.10	6.64 163 A
Worcester's King Twenty 6-8-6	Pocomoke City	6.00	6.08	4.20	4.29	1.80	1.88	1.10	8.00	8.10	6.36 365 A
Worcester's King Twenty 6-8-6	Snow Hill	6.00	6.32	4.20	4.27	1.80	2.05	.50	8.00	8.40	7.14 365 A
Worcester's Gilt Edge 6-6-5	Snow Hill	6.00	5.98	3.60	3.41	2.40	2.57	.30	6.00	6.40	5.00
Worcester's Gilt Edge 6-6-5	Snow Hill	6.00	5.97	3.60	3.30	2.40	2.67	.40	6.00	6.20	5.00
Worcester's Commander 6-6-5	Snow Hill	6.00	5.76	4.20	3.99	1.80	1.77	.40	6.00	6.20	5.00
Worcester's Commander 6-6-5	Princess Anne	6.00	5.97	4.20	4.03	1.80	1.94	.40	6.00	6.50	5.00
Worcester's Commander 6-6-5	Snow Hill	6.00	5.97	4.20	3.97	1.80	2.00	.50	6.00	6.40	5.00
Worcester's Gold Crown 5-8-12	Snow Hill	5.00	5.07	3.50	3.59	1.50	1.48	.40	8.00	8.40	12.00
Worcester's Red Ripe Tomato 4-8-10	Snow Hill	4.00	4.10	2.80	2.84	1.20	1.26	.40	8.00	8.70	10.00
Worcester's Red Ripe Tomato 4-8-10	Princess Anne	4.00	4.03	2.80	2.80	1.20	1.23	.40	8.00	8.30	10.00
Worcester's Early Truck 4-8-8	Snow Hill	4.00	4.00	2.80	2.67	1.20	1.33	.40	8.00	8.00	8.00
Worcester's Early Truck 4-8-8	Princess Anne	4.00	4.00	2.80	2.62	1.20	1.38	.60	8.00	8.00	8.50
Worcester's Correct Plant Food Mixture 4-8-5	Snow Hill	4.00	4.21	2.80	3.00	1.20	1.21	.40	8.00	5.00	5.30
Worcester's Correct Plant Food Mixture 2-8-10	Snow Hill	2.00	2.06	1.40	1.35	.60	.71	.50	8.00	10.00	10.08
Superphosphate 0-16-0	Snow Hill							.70	16.00	16.20	63 A

† Not licensed at time of sampling.

REPORT OF LEGUME INSPECTION

Samples of commercial legume inoculant sold in the State of Maryland were subjected to bacteriological analyses as a part of the State Feed and Fertilizer Inspection Service.

Legume inoculant cultures are distributed through seed dealers, hardwares, cooperatives, and various other retail houses throughout the state. Samples for inspection were purchased from various distributors and brought to the laboratory for analysis.

Upon receipt the inoculants were subjected to laboratory and greenhouse tests which were carried out as follows:

Laboratory test: Legume inoculants are usually prepared by distributing the bacterial cells in a moist composition base of peat or humus or by growing the culture on the surface of agar in bottles. It was necessary, therefore, to use two methods of procedure in counting the numbers of microorganisms present. Ten gram portions of the cultures in moist peat or humus were placed in 90 cc. of sterile water and shaken thoroughly. From this dilution (1-10) dilutions of 1—1,000,000 and 1—10,000,000 were made. Duplicate one cc. portions of each of these dilutions were placed in sterile petri dishes and mixed with melted yeast water extract mannitol congo red agar prepared according to Fred and Waksman (1928). The plates were then incubated at 30°C. for 7 days and counts made. The growth from the agar cultures in bottles was suspended in sterile distilled water and made up to a standard volume in sterile volumetric flasks. Dilutions of 1—10,000 and 1—100,000 were made from this standard dilution and plated out and incubated in the above manner. The count was then calculated in numbers of bacteria per bottle.

Greenhouse tests: Seeds, of the various leguminous plants inoculated, were sterilized for $\frac{1}{2}$ hour in 1—1000 dilution of mercuric chloride, washed with sterile distilled water and treated with the legume inoculants according to the directions on each sample. The inoculated seeds from each sample were then planted in jars in sets of 6 containing sand which was previously sterilized in the autoclave at 15 pounds pressure for 2 hours. A similar set of controls—sterilized, uninoculated seed—was prepared for each type of legume tested.

The jars were placed in the greenhouse and watered daily with a sterilized nitrogen free mineral solution. After 20 days plants from 3 jars of each sample and controls were examined for the presence, number and location of the nodules. The remainder of the plants were allowed to grow 45 days, after which they were examined for amount of growth, color of leaves and presence, number and location of nodules.

The results of the laboratory and greenhouse tests are summarized in Table I on the following page.

TABLE I.—SUMMARY OF LABORATORY AND GREENHOUSE TESTS ON LEGUME INOCULANTS

Brand	Name and Address of Manufacturer	Type of Culture	Crops	Inoculation	Bacteria per gram of dry material (millions)	Date of expiration and date of test
Legume-aid	Agricultural Labs., Inc. Columbus, Ohio	Humus	Soybeans	Satisfactory	738.8	12-10-39 5-13-39
"	"	"	Clovers	Satisfactory	358.8	12-10-39 5-16-39
"	"	"	Alfalfa and Sweet Clover	Satisfactory	332.8	12-11-39 5-20-39
"	"	"	Garden beans	Unsatisfactory	220.0	12-10-39 5-20-39
Nitrogen	The Nitrogen Co., Milwaukee, Wis.	"	Soybeans	Satisfactory	1475.1	12-31-39 5-13-39
"	"	"	Clovers	Satisfactory	1146.2	12-31-39 5-16-39
"	"	"	Alfalfa	Satisfactory	1156.2	12-31-39 5-20-39
"	"	"	Lespedeza	Satisfactory	1776.2	12-31-39 5-20-39
Humogerm	Earp-Thomas Labs., Inc., Bloomfield, N. J.	"	All Legumes	Satisfactory*	897.1	5-1-40 5-13-39
Trinity	Belt Seed Company, Baltimore, Md.	"	Soybeans	Satisfactory	811.2	12-31-39 5-13-39
Humus Inoculator	Hansen Inoculator Co., Urbana, Ill.	"	Clovers	Satisfactory	152.1	12-31-39 5-16-39
Nod'O'Gen	Albert Dickensen Co., Chicago, Ill.	Agar	Clovers	Satisfactory	500†	12-31-39 5-16-39
"	"	Agar	Alfalfa	Satisfactory	1,500†	12-31-39 5-20-39

* Tested on clover, alfalfa, and soybeans.

† Numbers per bottle.

NOTE—The work involved in testing of the above inoculants was performed by the Maryland Department of Bacteriology.

1,200
Bacteriology
Alfalfa
Agar
* Tested on clover, alfalfa, and soybeans.
NOTE—The work involved in testing of the above inoculants was performed by the Maryland Department of Bacteriology.

FEED ANALYSES

Pages immediately following contain results obtained on all samples of general feeds, dog feeds, mineral mixtures, and the biological assay of oils sold for their vitamin D properties.

Feeds are considered seriously deficient with respect to chemical guarantees when they are one per cent or more deficient in protein, or one-half of one per cent deficient in fat.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Albers Bros. Milling Co., Seattle, Wash.	
Calf Manna.....	Baltimore.....
E. T. Allen Co., Atlanta, Ga.	
*†Premier 45% Protein Peanut Meal Prime Quality.....	Keymar.....
Empire 41% Protein Peanut Meal.....	Gaithersburg.....
Empire 41% Protein Peanut Meal.....	Derwood.....
Empire 41% Protein Cottonseed Meal.....	Chestertown.....
Empire 41% Protein Cottonseed Meal.....	Westminster.....
*Empire 41% Protein Cottonseed Meal.....	Taneytown.....
G. A. Allender, Elkton, Md.	
32% Dairy Feed.....	Elkton.....
24% Dairy Feed.....	Elkton.....
16% Dairy Feed.....	Elkton.....
Dandy Laying Mash.....	Elkton.....
Poultry Mash No. 3.....	Elkton.....
Dandy Scratch Feed.....	Elkton.....
Allied Mills, Inc., Chicago, Ill.	
†44% Protein Soybean Oil Meal (Expeller Process).....	Snow Hill.....
44% Protein Soybean Oil Meal (Expeller Process).....	Gaithersburg.....
Amco 32% Supplement Dairy Feed.....	Bel Air.....
Wayne 32% Dairy Feed.....	Westminster.....
Amco Sucrene 24% Dairy Feed.....	Bel Air.....
Wayne 24% Dairy Feed.....	Cumberland.....
Amco Sucrene 20% Dairy Feed.....	Grantsville.....
Amco 20% Dairy Feed.....	Bel Air.....
Sugarine 20% Dairy Feed.....	Salisbury.....
Sugarine 20% Dairy Feed.....	Maugansville.....
Sugarine 16½% Dairy Feed.....	Maugansville.....
Ideal 16% Dairy Feed.....	Bel Air.....
Topper 16% Dairy Feed.....	Motters.....
Wayne 26% Mash Supplement, with Fortified Sardine Oil.....	Gaithersburg.....
Red Feather Egg Mash, with Fortified Sardine Oil.....	Salisbury.....
†Red Feather Egg Mash.....	Salisbury.....
†Red Feather Egg Mash.....	Motters.....
Wayne Egg & Breeder Mash, with Fortified Sardine Oil.....	Salisbury.....
Wayne Egg & Breeder Mash, with Fortified Sardine Oil.....	Maugansville.....
Amco Tip Top Mash.....	Bel Air.....
†Red Feather Growing Mash.....	Cumberland.....
Wayne Growing Mash, with Fortified Sardine Oil.....	Westminster.....
Amco 40% Mineralized Hog Supplement.....	Bel Air.....
Wayne Hog Supplement.....	Maugansville.....
Wayne Pork Maker.....	Reisterstown.....
Wayne Poultry Fattener.....	Cumberland.....
Wayne Fitting Ration.....	Maugansville.....
Amco Broiler Mash.....	Bel Air.....
Wayne Broiler Ration.....	Maugansville.....
Amco Super Starting & Growing Mash, with Fortified Sardine Oil.....	Bel Air.....
Wayne Chick Starter.....	Westminster.....
Red Feather Chick Starter.....	Gaithersburg.....
Red Feather Scratch Feed.....	Salisbury.....

* Deficient in protein or fat.

† Sampled before registration.

Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
8.37	25.00	28.76	4.00	4.04	5.00	4.13	7.55	47.15	As declared on label
4.77	45.00	39.66	5.50	9.28	16.00	11.51	5.60	29.18	
8.15	41.00	41.16	5.50	7.24	16.00	11.96	8.10	23.39	As declared on label
6.46	41.00	42.74	5.50	6.58	16.00	15.34	7.65	21.23	" "
6.99	41.00	40.98	5.50	6.09	13.00	10.99	7.00	27.95	" "
6.34	41.00	41.51	5.50	5.89	13.00	10.35	7.84	28.07	" "
7.19	41.00	40.98	5.50	4.97	13.00	11.33	6.60	28.93	" "
8.86	32.00	31.74	4.00	7.73	9.00	7.20	9.57	34.90	" "
9.30	24.00	25.78	4.00	4.87	11.00	11.11	6.86	42.08	" "
9.45	16.00	19.62	3.00	4.63	12.00	13.00	8.73	44.57	" "
8.10	20.00	20.62	4.50	5.35	9.00	6.03	10.05	49.85	A.
7.84	17.50	18.78	4.00	4.93	8.00	6.96	8.55	52.94	As declared on label
11.02	9.00	9.30	2.50	2.60	5.00	4.25	1.20	71.63	" "
8.43	44.00	45.63	4.00	4.12	6.50	5.59	6.15	30.08	" "
8.86	44.00	44.49	4.00	4.92	6.50	5.53	5.85	30.35	" "
9.32	32.00	34.66	4.00	4.40	9.00	6.69	8.32	36.61	" "
9.42	32.00	32.86	4.00	4.40	9.00	6.77	10.24	36.31	" "
8.08	24.00	25.57	3.50	4.19	12.00	8.79	7.67	45.70	" "
10.96	24.00	25.54	4.00	4.31	9.00	7.26	8.28	43.65	" "
10.06	20.00	23.15	3.50	3.88	12.00	8.26	7.82	46.83	" "
9.40	20.00	19.77	4.00	3.95	9.00	6.75	9.12	51.01	" "
10.94	20.00	21.09	3.50	3.83	12.00	9.46	6.84	47.84	" "
8.81	20.00	21.43	3.50	4.02	12.00	7.83	7.23	50.68	" "
10.37	16.50	18.95	3.00	4.09	12.00	9.64	7.36	49.59	" "
10.64	16.00	19.32	3.00	3.94	12.00	11.14	8.77	46.19	As declared on label
11.30	16.00	19.35	3.00	3.37	15.00	9.71	7.65	48.62	" "
8.86	26.00	27.03	3.50	4.82	10.00	8.58	17.10	33.61	" "
7.68	18.00	18.16	3.50	4.45	8.00	8.06	9.80	51.85	" "
7.93	18.00	17.64	3.50	4.16	8.00	7.08	8.55	54.64	" "
7.41	18.00	18.69	3.50	4.16	8.00	6.75	8.35	54.64	" "
7.76	20.00	20.02	3.50	4.72	8.00	6.91	9.55	51.04	" "
8.06	20.00	20.09	3.50	4.91	8.00	6.89	9.84	50.21	" "
7.72	18.00	17.11	3.50	4.37	8.00	6.69	9.80	54.31	" "
9.57	15.50	16.94	3.50	3.97	7.00	6.46	8.10	54.96	" "
7.70	16.00	16.94	3.50	4.56	7.00	6.35	7.60	56.85	" "
9.18	40.00	39.61	4.50	4.53	8.00	6.48	12.46	27.74	" "
8.10	40.00	42.10	4.50	5.46	7.00	6.08	13.59	24.67	" "
10.76	14.00	15.17	3.50	4.18	7.00	6.00	5.53	58.36	" "
8.93	13.50	15.27	3.50	4.71	8.00	7.12	4.25	59.72	" "
9.00	12.00	13.82	3.50	4.01	9.00	8.06	6.52	58.59	" "
7.49	18.00	18.52	3.50	4.59	8.00	6.48	9.25	53.67	" "
8.84	18.00	20.18	3.50	4.24	8.00	6.54	8.74	51.46	" "
8.13	17.00	18.95	3.50	4.35	7.00	5.56	8.10	54.91	" "
8.53	17.00	18.16	4.00	4.59	7.00	6.54	8.95	53.23	" "
8.16	17.00	17.38	3.50	4.51	7.00	6.40	8.75	54.80	" "
11.20	9.00	9.60	2.50	2.65	4.00	3.15	2.10	71.30	" "

A—Ingredients on label differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
American Maize Products Co., New York, N. Y.	
Amaizo Gluten Meal.....	Baltimore.....
Cream of Corn Gluten Feed.....	Baltimore.....
Cream of Corn Gluten Feed.....	Germantown.....
Amaizo Sweetened Gluten Feed.....	Baltimore.....
American Stores Co., Philadelphia, Pa.	
*Farmdale Laying Mash.....	Frostburg.....
Farmdale Scratch Grains.....	Frostburg.....
Amos & Glasgow, Street, Md.	
20% Egg Mash.....	Street.....
Anderson Grain & Feed Co., York, Pa.	
†Brewers Grains & Molasses.....	Denton.....
Anderson 32 Mixing Ration.....	Jarrettsville.....
Anderson 20% Dairy Feed.....	Upper Marlboro.....
Anderson 16% Dairy Feed.....	Upper Marlboro.....
Anderson Laying Mash, with Cod Liver Oil.....	Jarrettsville.....
J. T. 85% Horse Feed.....	Upper Marlboro.....
†Anderson Fleshing Pellets.....	Jarrettsville.....
Anderson Quality Starting Mash Pelleted.....	Jarrettsville.....
Anderson All Mash Starter & Grower, with Cod Liver Oil.....	Jarrettsville.....
†Anderson Pigeon Feed No Corn No Wheat.....	Upper Marlboro.....
Angle Roller Mills, Berkeley Springs, W. Va.	
Pure Soft Winter Wheat Bran.....	Big Spring.....
Anheuser-Busch, Inc., St. Louis, Mo.	
†Cereal Yeast Feed.....	Chewsville.....
†Anheuser-Busch Brand Corn Gluten Feed.....	Chewsville.....
†Anheuser-Busch Brand Cornoil Cake Meal.....	Chewsville.....
Anne Arundel County Farmers Association, Baltimore, Md.	
Anarco 26% Dairy Feed.....	Baltimore.....
Anarco Egg Mash, with BM. & Cod Liver Oil.....	Baltimore.....
Anarco Growing Mash, with BM. & Cod Liver Oil.....	Baltimore.....
Anarco 21% Hog Feed.....	Baltimore.....
*Anarco Broiler Mash, with BM. & Cod Liver Oil.....	Baltimore.....
Anarco Baby Chick Starter Mash, with BM. & Cod Liver Oil.....	Baltimore.....
Anarco Baby Chick Grains.....	Baltimore.....
Anarco Intermediate Scratch Feed.....	Baltimore.....
Anarco Scratch Feed.....	Baltimore.....
Arcady Farms Milling Co., Chicago, Ill.	
24% Arco Dairy Ration.....	Unionville.....
†Peerless Milk Ration.....	Unionville.....
†Producer 20% Ready Ration.....	Unionville.....
†Arcady Sweet 16% Dairy Feed.....	Unionville.....
Sunkist Egg Mash.....	Unionville.....
†Arcady Wonder Laying Mash.....	Unionville.....
†Arcady Wonder Growing Mash.....	Unionville.....

* Deficient in protein or fat.

† Sampled before registration.

Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS	
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND				
7.55	41.00	45.45	1.00	1.95	4.00	5.32	2.80	36.93	"	"
11.36	25.00	24.57	2.00	2.75	8.50	8.18	7.20	45.94	"	"
8.11	25.00	26.50	2.00	3.92	8.50	8.02	7.76	45.69	"	"
9.20	20.00	27.38	1.00	1.40	7.00	6.30	7.14	48.58	"	"
9.13	20.00	20.45	5.00	4.16	7.00	7.48	7.70	51.08	As declared on label A.	
10.60	10.00	10.70	2.50	2.80	4.00	3.05	1.50	71.35		
6.82	20.00	19.92	4.00	4.68	7.50	8.63	8.05	51.90	As declared on label	
8.25	19.00	22.19	3.50	5.73	16.00	12.95	3.25	47.63	"	"
9.86	32.00	31.64	4.00	4.33	10.00	7.29	9.04	37.84	"	"
9.86	20.00	21.39	4.00	4.88	12.00	11.76	8.29	43.82	"	"
9.98	16.00	17.70	3.50	4.64	12.00	11.48	8.58	47.62	"	"
8.12	20.00	22.90	4.00	5.06	8.00	7.03	10.65	46.24	"	"
10.46	8.00	9.18	2.50	3.42	12.00	7.26	3.58	66.10	"	"
8.68	15.00	17.20	3.50	4.22	8.00	7.64	6.75	55.51	"	"
7.52	16.00	17.64	4.00	5.05	7.00	5.95	7.20	56.64	"	"
9.03	16.00	16.41	4.00	4.25	7.00	5.92	7.25	57.14	"	"
9.87	13.00	15.17	4.00	4.13	7.00	4.22	3.07	63.54	"	" B.
10.04	13.00	14.30	3.00	3.92	9.00	9.61	7.00	55.13	"	" B.
5.67	28.00	30.01	4.00	4.20	7.00	8.14	3.76	48.22	"	"
8.48	25.00	24.92	2.00	2.37	8.50	8.90	5.14	50.19	"	"
7.79	18.00	22.82	8.00	8.43	11.00	10.27	3.70	46.99	"	"
8.15	26.00	25.97	5.00	5.27	9.00	8.75	7.50	44.36	As declared on label	
8.47	22.00	22.11	5.00	5.02	8.00	5.68	12.15	46.57		
8.56	17.00	18.16	5.00	4.99	6.00	5.39	9.14	53.76	"	"
8.09	21.00	21.50	5.00	4.60	9.00	8.50	10.15	47.16	"	"
8.20	20.00	19.92	5.00	4.38	7.00	6.50	11.50	49.50	"	"
8.69	18.00	17.99	4.50	5.21	5.50	3.85	8.15	56.11	"	"
10.80	10.00	9.74	2.50	2.80	3.00	2.15	1.70	72.81	"	"
10.90	10.00	9.39	2.50	2.65	3.00	2.30	1.15	73.61	"	"
10.85	10.00	9.30	2.50	2.75	4.00	3.20	1.25	72.65	"	"
10.03	24.00	25.77	3.50	4.10	11.00	9.16	10.14	40.80	"	"
9.86	20.00	20.67	3.00	4.01	12.00	10.13	11.42	43.91	"	"
10.09	20.00	21.78	4.00	4.10	10.00	10.00	10.09	43.94	"	"
10.74	16.00	18.82	3.50	4.21	12.50	10.10	11.94	44.19	"	"
8.29	20.00	20.88	4.00	4.61	8.00	7.33	9.80	49.09	"	"
11.34	20.00	20.07	4.00	3.90	7.00	7.00	9.72	47.97	"	"
9.76	17.00	17.02	4.00	4.22	7.00	6.77	7.92	54.31	"	"

A—Unable to detect Sunflower Seed.

B—Protein and Fat guarantee on label differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Arcady Farms Milling Co., Chicago, Ill. (Continued)	
†*Arcady Wonder 40% Hog Supplement.....	Unionville.....
Wonderfat Station Feed, with Rolled Oats.....	Baltimore.....
†Arcady Starting Mash.....	Unionville.....
†Arcady Complete All Mash Chick Starter.....	Baltimore.....
†Sunkist Chick Grains.....	Unionville.....
†Rockland Rabbit Ration.....	Baltimore.....
Archer-Daniels-Midland Co., Minneapolis, Minn.	
44% New Process Soybean Oil Meal.....	Westminster.....
41% Old Process Soybean Oil Meal.....	Hagerstown.....
Ashcraft-Wilkinson Co., Atlanta, Ga.	
45% Peanut Oil Cake Meal.....	Cambridge.....
†Hi-Pro Brand Prime Peanut Meal 41%.....	Frederick.....
Cow-Eta Brand 41% Prime Quality Cottonseed Meal.....	Taneytown.....
Cow-Eta Brand 41% Prime Quality Cottonseed Meal.....	Derwood.....
†Cow-Eta Brand 36% Prime Quality Cotton Seed Feed.....	Silver Spring.....
Atkinson Milling Co., Minneapolis, Minn.	
Atkinson's Wheat Standard Middlings.....	Frederick.....
The Atlantic Supply Co., Baltimore, Md.	
*Atlantic 50% Meat Scrap.....	Ingleside.....
*Poultry Bone Meal.....	Westminster.....
58% Fish Meal.....	Westminster.....
Atlantic Dried Buttermilk.....	Preston.....
Atlantic Dried Skim Milk.....	Keymar.....
The Baltimore Feed & Grain Co., Baltimore, Md.	
BBL. Fish Meal.....	La Plata.....
*BBL. 32% Dairy Feed.....	Baltimore.....
BBL. 24% Dairy Feed.....	Baltimore.....
BBL. 20% Dairy Feed.....	Baltimore.....
BBL. 16% Dairy Feed.....	Baltimore.....
BBL. Midday Ration.....	Baltimore.....
BBL. Quality Egg Maker Laying Mash.....	Baltimore.....
BBL. Egg Mash.....	Baltimore.....
BBL. Cod Mlk O Gro.....	Baltimore.....
BBL. Growing Mash.....	Baltimore.....
BBL. 40% Horse Feed.....	Baltimore.....
BBL. 85% Horse Feed.....	Baltimore.....
BBL. Pig & Hog Feed.....	Baltimore.....
BBL. Breeder Mash (Cod Mlk O Lay).....	Baltimore.....
BBL. Broiler Mash.....	Baltimore.....
BBL. Cod Mlk O Chick Starter.....	Baltimore.....
BBL. Starter & Grower.....	Baltimore.....
*BBL. Chick Feed.....	Baltimore.....
BBL. Developing Grains.....	Baltimore.....
*BBL. Special Scratch Feed.....	Baltimore.....
Victory Scratch Feed.....	Baltimore.....
BBL. Recleaned Scratch Feed.....	Baltimore.....

* Deficient in protein or fat.

† Sampled before registration.

Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
10.33	40.00	39.00	4.50	4.13	7.00	5.17	4.66	36.71	A. As declared on label
8.71	12.50	13.34	4.50	4.95	6.00	5.47	3.60	63.93	
7.51	16.00	16.32	4.00	4.09	6.50	6.48	5.38	60.22	
10.05	17.00	17.04	4.00	3.94	6.00	5.83	6.85	56.29	
10.80	10.00	10.50	2.50	2.75	5.00	4.20	1.60	70.15	
10.03	17.00	18.60	2.50	2.46	11.00	10.15	8.95	49.81	
7.82	44.00	46.16	.50	.92	7.00	6.01	6.49	32.60	A. As declared on label
9.77	41.00	43.18	4.00	4.56	7.00	5.57	6.55	30.37	
6.03	45.00	45.65	6.00	7.22	13.00	12.79	4.80	23.51	
5.19	41.00	42.82	5.50	6.78	20.00	17.73	3.80	23.68	
6.20	41.00	40.02	5.00	6.85	13.00	11.85	6.40	28.68	
7.19	41.00	42.30	5.00	6.49	13.00	9.36	7.15	27.51	
6.98	36.00	36.15	4.50	6.11	16.00	13.91	6.40	39.45	C. As declared on label
7.41	15.00	18.87	4.00	4.47	9.50	7.63	5.16	56.46	
4.63	50.00	50.16	8.00	6.57	2.00	1.14	38.30	.....	
6.20	2.50	2.81	2.00	.33	2.00	.72	89.30	.....	
5.38	58.00	58.62	6.00	8.23	1.00	1.07	21.70	5.00	
.....	30.00	32.52	5.00	X5.60	.....	.....	9.90	.....	
.....	32.00	34.58	.25	X.83	.....	.....	8.20	.....	
7.39	55.00	58.26	6.00	7.93	2.00	.72	20.20	5.50	B. As declared on label
9.51	32.00	30.14	4.75	5.99	10.00	8.97	9.53	35.86	
9.09	24.00	25.84	4.25	4.80	10.00	10.09	9.35	40.83	
9.53	20.00	23.20	4.00	4.90	12.00	9.41	9.12	43.84	
9.59	16.00	17.62	3.75	3.95	12.50	11.19	10.88	46.77	
7.86	13.00	12.55	5.00	5.19	5.00	5.05	4.15	65.20	
8.41	20.00	20.18	4.50	5.57	7.00	7.68	9.94	48.22	B. As declared on label
8.06	20.00	20.97	4.00	5.28	8.00	8.05	9.80	47.84	
7.52	18.00	18.87	4.00	5.08	6.00	5.79	9.50	53.24	
8.83	18.00	18.87	4.00	4.66	8.50	8.63	10.05	48.96	
9.66	9.00	8.88	2.50	2.75	13.00	10.14	6.28	62.29	
9.23	9.00	9.44	3.00	3.61	9.00	7.02	2.97	67.73	
8.67	18.00	17.99	4.00	5.17	8.00	7.45	8.95	51.77	B. As declared on label
7.89	20.00	20.36	4.50	4.89	7.00	6.27	11.30	49.29	
8.64	18.00	18.87	4.00	5.37	6.00	6.25	9.05	51.82	
8.14	17.00	18.87	4.00	5.80	5.00	5.41	8.60	53.18	
8.23	17.50	19.04	4.00	5.57	6.00	5.30	8.64	53.22	
10.75	10.00	8.95	3.00	3.10	3.00	2.15	1.65	73.40	
10.80	10.00	9.65	3.00	3.15	3.00	2.10	1.95	72.36	B. As declared on label
11.01	10.50	9.48	3.00	4.00	2.50	1.90	1.30	72.31	
10.32	10.00	9.39	3.00	3.47	3.00	2.53	1.50	72.79	
10.22	10.00	9.39	3.00	3.39	3.00	2.81	1.60	72.59	

A—Unable to detect Millet.

B—Also detected Linseed Oil Meal.

C—Also detected Dried Tomato Pomace.

X—Fat as determined by Roese-Gottlieb method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
The Baltimore Feed & Grain Co., Baltimore, Md. (Continued)	
BBL. Rapid Flight Racing Pigeon Feed.....	Baltimore.....
BBL. Breeding Pigeon Feed.....	Baltimore.....
BBL. Special Breeding Pigeon Feed.....	Baltimore.....
BBL. Turkey Starter & Grower.....	La Plata.....
The Baltimore Pure Rye Distilling Co., Dundalk, Md.	
‡Dried Rye Distiller's Grains.....	Baltimore.....
Barker, Moore & Mein Co., Philadelphia, Pa.	
Barker's Poultry Powder.....	Manchester.....
The Baugh & Sons Co., Baltimore, Md.	
Duplex Egg Producer Meat Scrap.....	Pocomoke City.....
Baugh's Oldest Brand Meat & Bone Scrap.....	Princess Anne.....
Baugh's Oldest Brand Meat & Bone Scrap.....	Linwood.....
Baugh's 60% Digester Tankage.....	Princess Anne.....
Baugh's 58% Fish Meal.....	Keymar.....
Baugh's 58% Fish Meal.....	Preston.....
Baugh's No. 1 Laying Mash.....	Salisbury.....
The Beacon Milling Co., Inc., Cayuga, N. Y.	
Beacon "32".....	Princess Anne.....
Beacon Sweet "24".....	Salisbury.....
‡Beacon Sweet "20".....	Hampstead.....
Cayuga "16".....	Princess Anne.....
Beacon "20" Laying Mash, with BM.....	Princess Anne.....
Beacon "16" Growing Mash.....	Salisbury.....
‡Beacon Hog Feed.....	Salisbury.....
Beacon Calf Pellets.....	Princess Anne.....
Beacon Broiler Feed.....	Salisbury.....
Beacon Breeder Mash, with BM.....	Princess Anne.....
Beacon Fleshing Pellets.....	Princess Anne.....
Beacon C-C Pellets.....	Princess Anne.....
Beacon Complete Starting Ration.....	Princess Anne.....
Beacon Turkey Starter.....	Princess Anne.....
Beacon Comprest Rabbit Feed.....	Salisbury.....
J. L. Beauchamp & Sons, Delmar, Del.	
Delmar Laying Mash.....	.....
J. B. Laying Mash.....	.....
J. B. Hog Feed.....	.....
G. T. Bell & Son, Federalsburg, Md.	
Pure Wheat Bran.....	Federalsburg.....
‡Pure Wheat Middlings.....	Federalsburg.....

‡ Sampled before Registrat on.

† Deficient in both protein or fat.

Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
9.72	17.50	18.78	3.00	3.81	5.00	3.62	3.91	60.16	B. As declared on label
9.81	14.00	17.90	3.00	3.42	5.00	3.87	3.52	61.48	
9.78	14.00	14.48	3.00	3.87	5.00	3.31	2.98	65.58	
7.40	21.00	22.73	5.00	4.83	7.00	8.50	14.30	42.24	
5.65	16.00	16.67	5.00	4.99	20.00	15.12	2.10	55.47	As declared on label
6.46	15.00	20.18	3.50	3.34	16.00	10.28	23.70	36.04	
5.33	55.00	55.81	6.00	11.97	3.00	3.11	22.95	.83	
6.22	50.00	53.00	6.00	10.78	3.00	3.02	25.95	1.03	
6.33	50.00	51.51	6.00	10.96	3.00	1.61	27.95	1.64	As declared on label
5.71	60.00	60.11	5.00	8.43	3.00	2.73	23.55		
6.36	58.00	61.60	5.00	8.16	3.00	.37	18.35	5.16	
6.99	58.00	69.29	5.00	8.52	3.00	.47	19.49	4.24	
8.61	20.00	20.62	4.00	5.05	7.00	7.34	10.00	48.38	As declared on label
9.30	32.00	32.04	4.50	4.92	8.50	6.72	10.32	36.70	
9.90	24.00	24.80	4.00	4.29	9.00	7.55	8.22	45.24	
11.20	20.00	20.21	4.00	4.00	9.00	6.89	10.73	46.97	
10.98	16.00	19.22	3.50	3.87	10.00	7.93	9.95	48.05	As declared on label
8.55	20.00	20.62	4.00	5.75	7.50	7.01	11.25	46.86	
7.53	16.00	17.99	4.00	4.48	7.50	6.90	8.90	54.20	
8.33	18.00	19.04	4.00	4.29	7.00	4.71	8.50	55.13	
8.34	24.00	26.41	3.00	3.19	4.00	3.26	6.75	52.05	As declared on label
7.29	18.50	19.74	4.00	4.71	7.00	5.14	7.95	55.17	
7.33	20.00	20.62	4.00	5.76	7.50	6.75	10.60	48.94	
7.88	15.00	17.20	3.50	4.15	7.50	6.99	6.15	57.63	
7.25	18.00	18.78	1.00	5.97	5.00	3.84	5.75	58.41	As declared on label
7.61	17.50	18.25	4.00	4.69	6.00	5.19	7.25	57.01	
9.12	24.00	24.04	4.00	5.28	6.00	6.01	9.45	46.10	
7.52	18.00	19.92	3.00	2.94	7.00	7.03	6.65	55.94	
8.49	20.00	21.06	4.00	6.14	8.00	7.45	10.00	46.86	As declared on label
4.99	16.00	16.85	4.50	8.34	8.00	8.52	8.60	52.70	
7.96	13.13	16.32	4.35	5.56	6.80	7.94	6.95	55.27	
7.05	14.50	14.48	4.00	4.42	9.00	10.78	7.35	55.92	
9.46	15.00	12.37	4.00	3.10	5.00	2.76	2.45	69.86	

B—Unable to detect wheat.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
J. P. Bennett & Son, Mardela Springs, Md.	
Bennett's Best Laying Mash.....	Mardela Springs
D. M. Laying Mash.....	Mardela Springs
Bennett's Best Hog Feed.....	Mardela Springs
Bennett's Best Developing Ration.....	Mardela Springs
Bennett's Best Chick Starter.....	Mardela Springs
Bennett's Best Chick Grains.....	Mardela Springs
Bennett's Best Scratch Feed.....	Mardela Springs
Berlin Feed Store, Berlin, Md.	
B. F. S. Laying Mash.....	Berlin
B. F. S. Growing Mash.....	Berlin
Berlin Milling Co., Inc., Berlin, Md.	
Economy Laying Mash.....	Berlin
Economy Growing Mash.....	Berlin
Economy Starter & Broiler Mash.....	Berlin
Berlin Milling Co., Inc., Salisbury, Md.	
Economy Hog Feed.....	Salisbury
*Pure Wheat Bran.....	Salisbury
Wheat Middlings, W. G. S.....	Salisbury
Pure Corn Meal.....	Salisbury
The Geo. W. Biles Co., Inc., Providence, Md.	
*Cecil County 32% Dairy Feed.....	Providence.....
Cecil County Laying Mash.....	Providence.....
Cecil County Starting & Growing Mash.....	Providence.....
Binger Bros., Upper Marlboro, Md.	
Red Star Laying Mash, with BM.....	Beltsville
Red Star Growing Mash, with BM.....	Upper Marlboro
Red Star Pig Meal.....	Upper Marlboro
Red Star Calf-A.....	Upper Marlboro
Red Star Broiler Ration.....	Upper Marlboro
Red Star Breeder Mash.....	Upper Marlboro
Red Star Starter-Grower Mash.....	Upper Marlboro
Red Star Chic-A.....	Upper Marlboro
Red Star Developing Scratch.....	Upper Marlboro
Red Star Scratch Feed.....	Beltsville
Bisbee Linseed Co., Philadelphia, Pa.	
†*Bisbee Brand 34% Protein O. P. Linseed Meal.....	Frederick
Bisbee Brand 32% Protein O. P. Linseed Meal.....	Germantown
Blatz Brewing Co., Milwaukee, Wis.	
‡Blatz 100% Brewers Dried Grains.....	Keymar
The Borden Co., Special Products Division, New York, N. Y.	
Flaydry-Lactoflavin Supplement.....	Pocomoke City

* Deficient in protein or fat.

‡ Sampled before registration.

Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
7.27	20.00	20.62	4.00	5.66	9.00	7.20	11.40	47.85	As declared on label
7.67	20.00	21.32	4.00	4.76	9.00	7.19	10.50	48.56	
7.64	16.00	17.46	4.00	4.95	10.00	7.47	11.10	51.38	" "
9.27	16.00	17.02	4.00	4.50	8.00	5.53	8.80	54.88	" "
9.29	15.00	15.36	4.00	4.75	7.00	4.39	6.50	59.71	" "
10.80	9.00	8.50	2.00	2.25	4.00	3.14	2.10	73.21	" "
10.90	8.00	8.10	2.00	2.16	4.00	3.50	1.17	74.17	" "
8.07	19.00	18.69	4.00	3.92	7.00	6.91	11.55	50.86	" "
8.23	17.00	17.90	4.00	4.39	7.00	7.11	11.35	51.02	" "
7.06	19.00	20.36	5.00	5.02	6.50	6.89	12.05	48.62	A.
8.89	15.00	19.66	4.50	4.95	5.00	6.28	8.60	51.62	
7.91	17.50	19.48	4.50	4.55	5.00	5.64	8.05	54.37	A.
9.30	16.00	16.23	4.50	4.37	9.50	8.18	8.20	53.72	As declared on label
9.46	15.00	13.95	3.00	4.97	10.00	9.73	6.22	55.67	
10.19	14.50	13.51	4.00	4.29	5.00	4.55	3.38	64.08	" "
12.71	9.00	8.78	4.00	4.31	5.00	3.60	1.10	69.50	" "
6.53	32.00	30.45	4.00	4.44	9.50	8.08	10.40	40.10	" "
7.88	20.00	20.71	4.00	4.53	6.50	5.69	12.10	49.09	" "
8.35	17.00	17.72	4.00	4.13	6.50	5.85	9.85	54.10	" "
7.87	20.00	19.92	4.50	4.89	7.00	6.99	7.96	52.37	As declared on label
8.56	16.00	17.11	4.00	5.59	7.00	6.06	10.06	52.62	
8.91	16.00	16.50	4.00	5.42	7.00	7.83	8.14	53.20	" "
10.79	24.00	27.55	4.50	5.98	6.50	8.16	7.26	40.26	" "
8.77	18.00	18.16	5.00	5.26	7.00	5.42	12.14	50.25	" "
8.52	20.00	20.09	5.00	5.12	7.00	6.05	8.45	51.77	" "
8.01	17.50	17.90	5.00	5.21	7.00	6.19	7.14	55.55	" "
8.59	15.00	16.85	4.00	5.51	5.00	4.94	8.80	55.31	" "
11.10	10.00	9.92	2.50	2.70	5.00	4.30	1.50	70.48	" "
11.15	10.00	9.74	2.50	3.03	5.00	2.54	1.88	71.67	" "
8.17	34.00	22.74	5.00	5.72	10.00	9.02	6.39	37.96	" " B.
7.37	32.00	37.03	5.00	5.16	10.00	7.85	5.60	36.99	
5.99	24.00	24.83	5.00	5.24	18.00	17.89	3.47	42.58	" "
.....	22.00	26.32	.50	X.79	.....	.....	11.05	.....	" "

A—Ingredients on label differ from license.

B—Acid Insoluble Ash 1.15.

X—Fat as determined by the Roese-Gottling Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Bowman Bros., Gaithersburg, Md.	
Gilt Edge Dairy Feed.....	Gaithersburg
Gilt Edge Laying Mash.....	Gaithersburg
Gilt Edge Growing Mash.....	Gaithersburg
Gilt Edge Growing Mash.....	Gaithersburg
Gilt Edge Hog Feed.....	Gaithersburg
Pure Wheat Bran.....	Silver Spring
† Winter Wheat Middlings, W. M. R. S.....	Silver Spring
* Gilt Edge Starting Mash.....	Gaithersburg
Gilt Edge Scratch Feed.....	Gaithersburg
Bradley & Baker, Baltimore, Md.	
50 % Meat & Bone Scrap.....	Baltimore.....
50 % Meat & Bone Scrap.....	Chewsville
50 % Meat & Bone Scrap.....	Baltimore.....
Steamed Bone Meal.....	Hagerstown
Steamed Bone Meal.....	Baltimore.....
Brad bake Pure Fish Meal.....	Germantown
Brad bake Pure Fish Meal.....	Baltimore.....
Brad bake Pure Fish Meal.....	Germantown
Brazilian Wheat Bran, with Ground Screen, N. Ex. M. R.	Baltimore.....
Brazilian Wheat Stand. Middlings, with Gd. Screen, N. Ex. M.R.	Baltimore.....
C. H. Braun & Sons, Inc., Baltimore, Md.	
* Encore Brand 55 % Meat Scrap.....	Centreville.....
Encore Brand 50 % Meat & Bone Scrap.....	New Windsor.....
Encore Brand 50 % Meat & Bone Scrap.....	Baltimore.....
Encore Brand 45 % Meat & Bone Scrap.....	Hagerstown
* Encore Brand 60 % Digester Tankage.....	Hagerstown
Encore Brand 60 % Digester Tankage.....	Ingleside.....
* Encore Brand 60 % Digester Tankage.....	Chestertown.....
Geo. F. Brenner, Stewartstown, Pa.	
* Brenner's VD Egg Mash.....	.....
Brenner's Special Egg Mash.....	.....
Brenner's VD Chick Grower.....	.....
Brenner's VD Chick Starter.....	.....
The Brode' Corp., Memphis, Tenn.	
* Owl Brand 43 % Prime Cotton Seed Meal.....	Gaithersburg
† Owl Brand Cottonseed Meal.....	Gaithersburg
P. M. Brooks, Chestertown, Md.	
Rose Bud Laying Mash.....	Chestertown.....
Special Hog.....	Chestertown.....
Pure Wheat Bran.....	Chestertown.....
* Pure Wheat Middlings.....	Chestertown.....
Rose Bud Sunshine Chick Starter & Grower.....	Chestertown.....
Brooks Supply Co., Reisterstown, Md.	
Brooks' Special Laying Mash.....	Reisterstown
Brooks' Special Starting & Growing Mash.....	Reisterstown

* Deficient in protein or fat.

† Deficient in both protein or fat.

‡ Sampled before registration.

Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
8.45	26.00	26.94	5.00	5.08	9.00	8.79	8.48	42.26	" "
9.71	19.00	19.04	5.00	5.34	6.00	5.87	10.68	49.36	" "
7.91	16.00	15.01	3.50	5.06	6.00	5.13	6.05	60.84	B.
10.39	16.00	15.09	3.50	4.98	6.00	6.00	7.03	56.51	B.
7.38	19.00	19.48	3.00	6.24	8.00	6.62	12.99	47.29	As declared on label
9.83	13.50	13.69	3.20	4.37	9.27	10.88	6.76	54.47	" "
10.90	15.00	12.81	4.00	3.36	6.00	3.85	2.20	66.88	" "
7.31	17.00	15.63	3.50	5.48	5.00	4.78	5.70	61.10	B.
10.90	9.00	9.13	3.00	3.60	5.00	4.10	1.28	70.99	As declared on label
5.38	50.00	50.11	6.00	12.47	3.00	2.29	27.40	2.35	As declared on label
6.16	50.00	50.28	6.00	11.05	3.00	3.09	27.90	1.52	" "
6.21	50.00	50.20	6.00	9.37	3.00	1.66	33.54		" "
5.07	5.00	23.69	.20	.11	4.00	.11	66.15	4.87	" "
9.59	5.00	24.39	.20	.91	4.00	.42	63.20	1.49	" "
6.34	58.00	62.66	6.00	7.07	3.00	.49	17.60	5.84	" "
6.23	58.00	58.97	6.00	6.27	3.00	1.42	18.85	8.26	" "
7.41	58.00	59.06	6.00	9.07	3.00	.52	18.82	5.12	" "
9.03	13.00	15.97	4.00	4.01	13.00	10.74	7.07	53.18	" "
9.02	14.00	16.76	4.00	4.18	9.50	9.34	5.10	55.60	" "
5.01	55.00	51.42	6.00	13.16	3.00	3.39	22.90	4.12	" "
6.02	50.00	51.16	6.00	11.51	3.00	2.10	26.14	3.07	" "
6.73	50.00	49.99	6.00	13.28	3.00	2.29	27.60	.11	" "
5.54	45.00	45.02	6.00	13.77	3.00	2.91	30.90	1.86	" "
6.63	60.00	58.23	6.00	8.73	3.00	1.32	20.70	4.39	" "
6.85	60.00	60.13	6.00	10.23	3.00	1.54	18.90	2.35	" "
6.49	60.00	55.95	6.00	9.56	3.00	1.78	22.25	3.97	" "
8.05	20.00	19.31	6.50	4.43	4.50	7.15	11.57	49.49	" "
8.12	18.00	18.08	4.00	4.05	8.00	8.99	10.05	50.71	" "
7.81	18.50	20.36	4.50	4.79	7.00	7.02	11.00	49.02	" "
7.69	19.00	20.18	4.50	5.38	6.00	6.53	10.65	49.57	A.
6.75	43.00	41.48	5.00	5.55	10.00	10.35	7.50	28.37	
6.96	41.00	41.16	5.00	6.21	10.00	11.06	6.70	27.91	As declared on label
8.18	19.00	20.45	4.50	5.29	7.00	5.49	12.35	48.24	As declared on lab.C.
9.40	17.50	18.60	3.50	3.05	7.50	4.32	6.85	57.78	" "
7.58	12.00	13.60	3.50	4.28	10.00	8.51	6.75	59.28	" "
10.04	12.00	12.64	3.50	2.72	5.00	3.54	2.80	68.26	" "
10.12	16.00	15.01	4.00	4.28	6.00	5.24	5.80	59.55	" "
7.39	18.00	19.66	4.00	4.95	7.00	6.74	6.38	54.88	" "
7.45	16.50	17.64	4.00	4.77	7.00	6.51	10.79	52.84	" "

A—Also detected corn gluten meal.

B—Also detected Cottonseed Meal.

C—Fat guarantee on label differs from licenses.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Herbert Bryant, Inc., Alexandria, Va.	
*50% Protein Meat & Bone Scrap for Poultry.....	Washington Grove
*50% Protein Meat & Bone Scrap for Poultry.....	Washington Grove
Ground Fish for Poultry.....	Washington Grove
55% Protein Digester Tankage.....	Washington Grove
"HB" 32% Dairy Feed.....	Washington Grove
"HB" 20% Dairy Feed.....	Washington Grove
Prizewinner 16% Dairy Feed.....	Washington Grove
Economy Feed.....	Washington Grove
"HB" Laying Mash.....	Washington Grove
Bryant's New Deal Laying Mash.....	Washington Grove
"HB" Growing Mash.....	Washington Grove
Bryant's New Deal Growing Mash.....	Washington Grove
Bryant's New Deal Growing Mash.....	Washington Grove
"HB" Horse & Mule Feed.....	Washington Grove
"HB" Pig & Hog Feed.....	Washington Grove
"HB" Broiler Mash.....	Washington Grove
"HB" All Mash Chick Starter.....	Washington Grove
Bryant's New Deal Scratch.....	Washington Grove
John H. Buck, Vale, Md.	
Pure Wheat Bran.....	Vale.....
Pure Wheat Middlings.....	Vale.....
The Buckeye Cotton Oil Co., Cincinnati, Ohio	
Buckeye 41% Protein Soybean Oil Meal.....	Middleburg
C. W. Burckhalter, Inc., New York, N. Y.	
Burck Brand Dried Buttermilk.....	Pocomoke City
Burck Brand Powdered Skim Milk.....	Pocomoke City
Cairo Meal & Cake Co., Cairo, Ill.	
†"Miss Cairo" Brand 41% Protein Cottonseed Meal.....	Mt. Airy.....
†"Miss Cairo" Brand 41% Protein O. P. Soybean Oil Meal.....	Mt. Airy.....
Calvary Roller Mill, Bel Air, Md.	
*Pure Grain Dairy Ration.....	Bel Air
Calvary Laying Mash.....	Bel Air
Pure Wheat Bran.....	Bel Air
†Pure Wheat Middlings.....	Bel Air
Cambridge Manufacturing Co., Cambridge, Md.	
New Vim Dairy Feed.....	Cambridge.....
New Vim Dairy Feed.....	Cambridge.....
New Vim Dairy Feed.....	Cambridge.....
Gets 'Em Laying Mash.....	Cambridge.....
*Moore's Laying Mash.....	Cambridge.....
New Vim Special Laying Mash.....	Cambridge.....
*New Vim Super Laying Mash.....	Cambridge.....
New Vim Super Laying Mash.....	Cambridge.....
New Vim Special Growing Mash.....	Cambridge.....
New Vim Hog Feed.....	Cambridge.....

* Deficient in protein or fat.

† Deficient in both protein or fat.

‡ Sampled before registration.

Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
6.13	50.00	48.97	10.00	10.12	2.00	1.70	33.00	.08	As declared on label
6.63	50.00	48.27	10.00	11.76	2.00	2.12	31.20	.02	
6.09	58.00	59.67	7.00	9.50	1.00	.79	17.85	5.53	" "
6.09	55.00	54.14	7.00	11.71	.50	3.25	24.30	.51	" "
8.91	32.00	34.49	4.00	5.82	9.00	10.12	7.40	33.26	" "
9.01	20.00	22.46	3.50	4.87	9.00	9.06	6.05	48.55	" "
10.61	16.00	18.03	2.00	3.09	15.00	13.21	7.24	47.82	" "
9.00	7.50	8.64	1.00	1.95	24.00	24.34	6.35	49.72	" "
9.19	19.00	19.83	5.00	5.32	6.50	6.17	8.38	51.11	" " A.
9.11	18.00	18.25	4.50	5.39	7.00	8.34	8.75	50.16	" "
8.29	16.00	16.06	4.00	4.65	6.00	6.84	8.45	55.71	" "
8.97	18.00	17.20	4.50	5.29	7.00	7.78	8.16	52.60	" "
7.76	18.00	18.16	4.50	4.69	7.00	7.91	9.60	51.88	" "
9.64	9.00	10.34	3.00	4.09	7.00	7.21	3.17	65.55	" "
8.72	16.00	17.02	5.00	5.01	6.00	5.49	5.22	58.54	" "
7.73	20.00	19.66	4.50	4.79	7.00	7.11	8.50	52.21	" "
6.14	16.00	17.39	4.00	4.96	5.00	5.36	8.20	57.95	" " A.
11.50	8.50	9.21	2.50	2.70	4.00	3.35	1.55	71.69	" "
8.36	14.00	13.51	3.50	3.68	5.00	7.75	5.70	61.00	As declared on label
9.27	14.00	13.60	3.50	3.44	5.00	3.14	3.00	67.55	
8.48	41.00	44.58	4.50	5.28	7.00	5.99	6.85	28.82	" "
.....	32.00	32.12	5.00	X5.11	.....	.....	9.95	.....	" "
.....	32.00	36.51	.75	X.72	.....	.....	7.85	.....	" "
7.17	41.00	40.19	6.00	7.87	10.00	9.87	7.10	27.80	" "
5.32	41.00	42.74	4.50	5.67	7.00	7.02	6.35	32.90	" "
9.49	20.00	17.47	4.50	4.03	10.00	6.78	5.25	56.98	" "
8.25	18.00	17.99	5.00	4.54	7.00	8.03	9.75	51.44	" "
8.40	13.00	12.99	3.50	3.79	10.00	6.85	5.50	62.47	" "
10.40	13.00	10.88	4.00	2.24	6.00	1.72	1.65	73.11	" "
9.02	32.00	31.96	4.50	6.12	9.00	8.45	8.55	35.90	" "
9.09	24.00	24.22	4.00	4.53	9.50	8.10	8.78	45.28	" "
10.66	16.00	17.59	3.00	4.15	12.00	9.70	7.65	50.25	" "
8.79	20.00	19.31	5.00	4.81	7.00	5.99	11.25	49.85	" "
8.01	20.00	18.91	5.00	4.62	5.00	5.04	11.75	51.67	" "
8.54	20.00	19.92	5.00	4.57	7.00	4.72	12.10	50.15	" "
8.91	20.00	21.32	5.00	4.33	7.00	5.98	10.22	49.24	" "
7.17	20.00	20.01	5.00	4.94	7.00	4.92	10.95	52.01	" "
8.84	16.00	16.03	4.00	4.58	6.00	4.19	7.55	58.81	" "
8.62	16.00	16.67	4.50	5.01	9.00	7.19	6.63	55.88	As declared on label

A—Protein on label differs from license.

X—Fat as determined by the Roese Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Cambridge Manufacturing Co., Cambridge, Md. (Continued)	
Pure Wheat Bran.....	Cambridge.....
Pure Wheat Middlings.....	Cambridge.....
Broiler Mash.....	Cambridge.....
Super Chick Starter.....	Cambridge.....
New Vim Scratch Feed.....	Cambridge.....
Cannon Valley Milling Co., Minneapolis, Minn.	
Cannon Feed.....	Cumberland.....
The A. B. Caple Co., Toledo, Ohio	
‡Capex Dehydrated Alfalfa Leaf Meal.....	St. Michaels.....
Capex Dehydrated Alfalfa Meal.....	Frederick.....
‡Cut Rabbit Alfalfa.....	Baltimore.....
Edmund L. Carr, Manchester, Md.	
Maple Grove Laying Mash.....	Maple Grove.....
Carrollton Roller Mills, Union Bridge, Md.	
Carrollton Dairy Feed.....	Union Bridge.....
Carrollton Laying Mash.....	Union Bridge.....
Carrollton Pig Meal.....	Union Bridge.....
Pure Wheat Bran.....	Union Bridge.....
Pure Wheat Middlings.....	Union Bridge.....
Carter & Yates Milling Co., Centreville, Md.	
Red Star Laying Mash.....	Centreville.....
Red Star Pig & Hog.....	Centreville.....
Red Star Starter & Grower.....	Centreville.....
The Cecil County Milling Co., Rising Sun, Md.	
Rising Sun Brand 16% Dairy Feed.....	Rising Sun.....
Rising Sun Brand Laying Mash 20%, with D. B. M.....	Rising Sun.....
Rising Sun Brand All Mash Grower.....	Rising Sun.....
Center Milk Products Co., Middlebury Center, Pa.	
Center Dried Skim Milk.....	Easton.....
Central Chemical Corp. of Maryland, Hagerstown, Md.	
‡Feedrite Fish Meal.....	Sharpsburg.....
Central Feed Co., Baltimore, Md.	
Breeding Pigeon Feed.....	Baltimore.....
Central Purchasing Bureau, State of Maryland, Baltimore, Md.	
C. P. B. Dairy Feed.....	Reisterstown.....
*C. P. B. Dairy Feed.....	Breathedsville.....
*C. P. B. Dairy Feed.....	Breathedsville.....
C. P. B. Dairy Feed.....	Breathedsville.....
C. P. B. Dairy Feed.....	Sykesville.....
C. P. B. Dairy Feed.....	Catonsville.....
C. P. B. Dairy Feed.....	Crownsville.....

* Deficient in portein or fat.

‡ Sampled before registration.

Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS	
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND				
7.78	14.00	13.43	4.00	3.90	10.00	9.23	7.00	58.66	"	"
8.27	14.50	14.00	4.00	3.97	5.00	2.61	2.65	68.50	"	"
7.46	17.00	17.11	4.00	4.98	5.00	3.78	8.15	58.52	"	"
9.15	14.00	14.39	4.00	4.23	5.50	3.71	7.05	61.47	"	"
10.90	9.00	9.40	3.00	3.15	5.00	4.25	1.16	71.14	"	"
10.14	17.00	18.06	2.50	2.97	5.50	3.13	3.15	62.55	"	"
7.20	20.00	21.32	2.00	3.06	18.00	20.71	9.85	37.86	"	"
5.43	17.00	19.66	2.00	2.25	27.00	25.31	9.75	37.60	"	"
8.04	13.00	15.88	1.00	1.69	33.00	29.63	9.15	35.61	"	"
8.00	20.00	20.80	4.00	4.30	6.50	6.51	10.05	50.34	A.	
6.85	17.00	18.25	4.00	5.12	10.00	8.28	3.45	58.05	As declared on label	
7.91	17.50	17.90	4.00	5.26	7.00	6.05	8.25	54.63	"	"
8.02	18.00	18.95	3.50	4.91	4.50	4.61	6.95	56.56	"	"
9.80	14.00	14.70	3.50	3.84	10.00	9.37			"	"
10.97	14.00	14.04	3.50	3.79	6.00	2.64			"	"
8.60	20.00	20.80	4.00	4.29	8.00	6.34	7.70	52.27	As declared on label	
8.93	18.00	18.69	3.50	3.89	7.00	5.50	6.00	56.99	"	"
9.06	16.00	17.64	4.00	3.51	5.00	5.69	8.60	55.50	"	"
10.72	16.00	18.84	3.50	3.48	12.00	7.72	7.58	51.66	As declared on label	
7.48	20.00	22.55	4.50	4.39	5.00	6.05	11.60	47.93	"	"
8.16	16.00	16.58	4.00	4.21	6.00	7.63	9.00	54.42	"	"
	33.00	33.70	1.00	X.99			7.35		"	"
8.21	58.00	61.08	5.00	9.39	1.75	.18	15.85	5.29	"	"
9.80	11.00	13.33	4.00	4.05	4.50	2.98	3.05	66.79	"	"
9.53	32.00	32.92	5.00	4.64	9.00	11.67	8.73	32.51	"	"
7.95	32.00	27.14	5.00	4.96	9.00	7.01	8.26	44.68	"	"
11.27	32.00	32.36	5.00	3.59	9.00	7.42	11.52	33.84	"	"
8.66	32.00	32.05	5.00	5.08	9.00	8.05	9.18	36.98	B.	
10.66	20.00	21.15	4.00	4.07	11.00	8.06	8.06	48.00	As declared on label	
8.33	20.00	21.39	4.00	4.05	11.00	7.91	7.64	50.68	"	"
9.48	20.00	21.27	4.00	4.17	11.00	8.47	8.00	48.61	"	"

A—Ingredients on label differ from license.

B—Unable to detect Linseed Oil Meal.

X—Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Central Purchasing Bureau, State of Maryland, Balto., Md. (Cont.)	
C. P. B. Dairy Feed.....	Cheltenham.....
C. P. B. Dairy Feed.....	Jessups.....
C. P. B. Dairy Feed.....	Catonsville.....
C. P. B. Dairy Feed.....	Owings Mills.....
C. P. B. Dairy Feed.....	Sykesville.....
C. P. B. Dairy Feed.....	Crownsville.....
C. P. B. Dairy Feed.....	Jessups.....
C. P. B. Dairy Feed.....	Owings Mills.....
C. P. B. Dry Cow Feed.....	Sykesville.....
C. P. B. Dry Cow Feed.....	Jessups.....
C. P. B. Dry Cow Feed.....	Owings Mills.....
C. P. B. Laying Mash.....	Crownsville.....
C. P. B. Laying Mash.....	Breathedsville.....
C. P. B. Laying Mash.....	Reisterstown.....
C. P. B. Laying Mash.....	Crownsville.....
C. P. B. Laying Mash.....	Breathedsville.....
C. P. B. Growing Mash.....	Breathedsville.....
C. P. B. Growing Mash.....	Reisterstown.....
C. P. B. Growing Mash.....	Crownsville.....
C. P. B. Growing Mash.....	Breathedsville.....
C. P. B. Horse Feed.....	Crownsville.....
C. P. B. Horse Feed.....	Glen Burnie.....
C. P. B. Horse Feed.....	Crownsville.....
C. P. B. Calf Meal.....	Owings Mills.....
C. P. B. Calf Meal.....	Owings Mills.....
C. P. B. Starting Mash.....	Crownsville.....
C. P. B. Starting Mash.....	Breathedsville.....
Central Soya Co., Inc., Fort Wayne, Ind.	
Central Star Brand Soybean Oil Meal.....	Baltimore.....
Central Star Brand Soybean Oil Meal.....	Gaithersburg.....
Central Soybean Oil Meal.....	Germantown.....
Chestnut Farms Chevy Chase Dairy, Washington, D. C.	
Skim Milk Powder.....	Derwood.....
Skim Milk Powder.....	Gaithersburg.....
Skim Milk Powder.....	Gaithersburg.....
Chewsville Cooperative Association, Chewsville, Md.	
Thrivont 32% Mixing Ration.....	Chewsville.....
Thrivont Milk Maker.....	Chewsville.....
Chewsville Maryland Laying Mash.....	Chewsville.....
Thrivont Laying Mash.....	Chewsville.....
Thrivont Growing Ration.....	Chewsville.....
Thrivont Stock Feed.....	Chewsville.....
Thrivont Protein-Mineral Supplement for Hogs.....	Chewsville.....
Thrivont Pig & Hog Meal.....	Chewsville.....
Thrivont Chick Starter & Broiler Ration.....	Chewsville.....
Thrivont Scratch Feed.....	Chewsville.....
Thrivont Intermediate Scratch Grains.....	Chewsville.....
*Thrivont Turkey Growing Mash.....	Chewsville.....

* Deficient in protein or fat.

Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS	
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND				
10.81	20.00	22.64	4.00	4.12	11.00	8.53	8.70	45.20	"	"
9.71	20.00	22.02	4.00	4.36	11.00	8.53	7.92	47.46	"	"
9.59	20.00	21.89	4.00	4.30	11.00	8.76	8.40	47.06	"	"
8.01	20.00	22.11	4.00	4.26	11.00	8.91	8.50	48.21	"	"
9.05	20.00	22.82	4.00	4.23	11.00	8.11	8.85	46.94	"	"
8.34	20.00	23.43	4.00	4.47	11.00	8.51	8.36	46.89	"	"
11.60	20.00	21.68	4.00	4.08	11.00	9.01	8.62	45.01	"	"
11.36	20.00	22.82	4.00	4.10	11.00	9.57	7.61	44.54	"	"
8.10	12.00	13.21	3.00	3.32	7.00	10.40	6.83	58.14	As declared on label	
10.40	12.00	12.95	3.00	3.41	7.00	7.96	6.43	58.85		
11.59	12.00	13.11	3.00	3.17	7.00	7.99	5.89	58.25	"	"
11.15	18.00	18.83	4.50	6.01	6.00	5.32	8.85	49.84	"	"
10.06	18.00	17.99	4.50	4.84	6.00	6.09	8.60	52.42	"	"
9.71	18.00	18.69	4.50	5.54	6.00	6.20	10.30	49.56	"	"
8.46	18.00	18.84	4.50	5.87	6.00	5.73	9.70	51.40	"	"
9.88	18.00	20.27	4.50	4.92	6.00	5.85	10.60	48.48	"	"
9.68	16.00	18.43	4.00	4.62	6.00	5.13	8.15	53.99	"	"
10.03	16.00	18.69	4.00	5.34	6.00	5.84	9.85	50.25	"	"
8.05	16.00	17.72	4.00	4.38	6.00	5.88	9.25	54.72	"	"
9.65	16.00	18.43	4.00	5.51	6.00	6.64	8.85	50.92	"	"
10.99	9.00	9.71	3.50	3.47	8.00	6.71	3.55	65.57	"	"
10.38	9.00	9.45	3.50	3.45	8.00	7.38	3.45	65.89	"	"
8.95	9.00	10.09	3.50	3.49	8.00	8.03	3.70	65.74	"	"
9.63	23.00	25.18	4.00	4.37	5.00	4.71	5.15	50.96	"	"
8.86	23.00	22.29	4.00	3.91	5.00	3.09	6.40	55.45	"	"
9.14	18.00	18.95	4.00	5.65	6.00	5.66	10.40	50.20	"	"
10.36	18.00	20.09	4.00	5.03	6.00	5.71	8.60	50.21	"	"
8.69	44.00	46.25	.50	.59	7.00	5.05	5.80	33.62	"	"
10.82	44.00	45.28	.50	.92	7.00	5.37	6.00	31.61	"	"
9.63	41.00	44.23	4.50	5.22	7.00	6.43	5.96	28.53	"	"
.....	32.00	32.03	.75	X.76	.....	.....	8.30	.....	"	"
.....	32.00	35.01	.75	X.74	.....	.....	8.00	.....	"	"
.....	32.00	36.86	.75	X.97	.....	.....	8.10	.....	"	"
8.59	32.00	32.47	4.50	4.96	10.00	10.54	11.36	32.08	A.	
7.53	24.00	28.08	4.50	4.23	10.00	10.66	11.76	37.74	A.	
8.86	19.00	18.95	4.50	5.39	6.50	5.29	10.54	50.97	As declared on label	
10.73	19.00	19.10	5.00	5.01	8.00	5.61	10.25	49.30		
8.28	17.00	17.20	4.00	4.49	6.00	5.41	8.25	56.37	B.	
10.02	10.00	11.90	3.00	3.35	10.00	10.27	8.61	55.85	A.	
7.46	35.00	37.38	4.00	6.94	9.50	7.85	23.25	17.12	As declared on label	
9.12	17.00	17.99	4.50	4.43	6.50	6.09	7.76	54.61		
8.26	16.50	17.11	4.50	5.39	5.00	5.28	10.84	53.12	A.	
10.90	10.00	10.00	2.50	2.60	5.00	3.50	1.80	71.20	As declared on label	
10.80	10.00	10.40	2.50	3.00	5.00	3.50	1.40	70.90		
7.94	22.00	20.88	4.00	5.61	7.00	6.01	9.40	50.16	"	"

A—Ingredients on label differ from license.

B—Unable to detect Linseed Oil Meal.

X—Fat as determined by theRoese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Clinton Co., Clinton, Iowa. Clinton Corn Gluten Feed.....	Union Bridge.....
Harry Clipp, Sharpsburg, Md. Clipp's Egg Mash.....	Sharpsburg.....
Herbert K. Clofine, Philadelphia, Pa. Supreme Brand Dried Skim Milk.....	Frederick
J. Henry Clusman & Co., Baltimore, Md. Reliance 24% Dairy..... Reliance 16% Dairy..... Reliance Laying Mash..... Reliance Laying Mash..... Fairfield Horse Feed..... Reliance Starter & Grower Mash..... Reliance Starter & Grower Mash..... Reliance Scratch Feed.....	Baltimore..... Baltimore..... Perryman..... Baltimore..... Baltimore..... Perryman..... Baltimore..... Baltimore.....
The Cohn & Bock Co., Princess Anne, Md. C. & B. Laying Mash, with 4% Dried Milk..... C. & B. Growing Mash, with 4% Dried Milk & Cod Liver Oil..... C. & B. Growing Mash, with 4% Dried Milk..... C. & B. Pig & Hog Meal..... C. & B. Broiler Ration..... C. & B. Chick Starter, with 5% Dried Milk & Cod Liver Oil.....	Princess Anne..... Princess Anne..... Princess Anne..... Princess Anne..... Princess Anne..... Princess Anne.....
The G. E. Conkey Co., Cleveland, Ohio Conkeys Y-O (Brand) 32% Supplement Mash..... Conkeys Y-O (Brand) Egg Mash..... Conkeys Y-O (Brand) Growing Mash..... Conkeys Y-O (Brand) Broiler Mash..... †Conkeys Geccofat Station Fattener..... Conkeys Y-O (Brand) (The Original) Starting Feed.....	Hagerstown..... Hagerstown..... Hagerstown..... Hagerstown..... Hagerstown..... Hagerstown.....
L. A. Conner, Newark, Md. Made Well Laying Mash..... Pure Wheat Bran..... Made Well Starter & Broiler Mash.....	Newark..... Newark..... Newark.....
Consolidated By-Products Co., Philadelphia, Pa. 50% Consolidated Beef & Bone Scrap..... †Consolidated Bone Meal..... †60% Consolidated Feeding Tankage..... †50% Consolidated Feeding Tankage.....	Berlin..... Berlin..... Maugansville..... Maugansville.....
The Continental Milling & Feed Co., Ellicott City, Md. *Milk-A-Lot Dairy Feed 32%..... Milk-A-Lot Dairy Feed 32%..... Maryland Maide Dairy Feed 24%..... Polka Dot All Mash Laying Ration..... Polka Dot Laying Mash.....	Ellicott City..... Ellicott City..... Ellicott City..... Ellicott City..... Ellicott City.....

* Deficient in protein or fat.

† Sampled before registration.

Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS	
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND				
8.39	25.00	27.03	2.00	2.36	8.50	7.25	9.40	45.57	"	"
8.23	20.00	20.01	4.50	4.58	6.00	6.41	7.12	53.65	"	"
.....	32.00	35.28	.25	X.27	.....	.....	7.90		"	"
9.60	24.00	26.03	3.00	3.14	10.00	9.69	10.24	41.30	As declared on label	
9.66	16.00	17.56	3.00	2.93	12.00	11.50	8.62	49.73		
7.73	20.00	20.88	4.50	5.79	8.00	7.39	11.50	46.71	As declared on label	
8.40	20.00	21.76	4.50	5.47	8.00	7.67	11.30	45.40		
10.22	9.00	9.01	2.50	3.73	9.00	7.37	3.55	66.12	"	"
7.45	17.00	19.66	4.00	4.27	7.00	6.94	11.35	50.33	"	"
8.78	17.00	19.13	4.00	4.28	7.00	6.77	10.40	50.64	"	"
11.01	9.00	9.74	3.00	3.20	5.00	3.50	1.90	70.65	B.	
7.73	20.00	21.24	4.50	4.26	6.00	5.11	11.85	49.81		
8.06	16.00	18.69	4.50	4.35	6.00	5.58	9.80	53.52	As declared on label	
7.89	16.00	20.53	4.50	4.36	6.00	5.79	8.70	52.73		
9.43	16.00	15.97	4.00	4.29	5.00	3.92	8.55	57.84	"	"
7.78	18.00	19.13	3.50	4.96	6.00	5.96	9.90	52.27	"	"
8.25	18.00	19.48	5.00	4.68	5.20	4.88	9.50	53.21	"	"
7.24	32.00	34.22	5.00	6.09	8.00	6.09	15.36	31.00	"	"
7.71	20.00	21.59	4.00	5.29	8.00	6.28	10.15	48.98	"	"
8.06	18.00	18.34	4.00	4.17	7.00	5.46	6.30	57.67	"	"
8.05	19.00	20.45	4.00	5.29	7.00	5.99	8.60	51.62	"	"
8.54	12.50	15.27	4.00	4.59	6.00	6.09	5.15	60.36	"	"
8.16	18.00	18.25	4.00	5.32	7.00	5.41	8.10	54.76	"	"
8.29	19.00	18.95	5.00	4.57	6.00	6.84	11.30	50.05	"	"
8.45	13.00	14.22	4.00	4.09	9.00	7.39	5.75	60.10	"	"
7.55	17.00	19.04	5.00	4.53	6.00	6.68	11.05	51.15	"	"
5.77	50.00	49.94	7.00	10.75	3.00	1.33	31.50	.71	As declared on label	
2.89	5.00	5.88	.50	.34	4.00	.03	86.20	4.66		
7.06	60.00	60.38	8.00	9.60	3.00	6.06	15.65	1.25	"	" C.
7.91	50.00	60.55	8.00	9.05	3.00	4.24	14.70	3.55	"	" C.
11.23	32.00	30.40	4.00	3.85	10.00	7.82	9.11	37.59	As declared on label	
9.00	32.00	31.98	4.00	3.60	10.00	9.63	10.81	34.98		
8.35	24.00	23.72	4.00	4.27	9.50	9.79	9.16	44.71	"	"
8.66	16.00	17.11	4.00	4.19	7.00	7.12	7.00	55.92	"	"
9.55	20.00	22.38	4.50	4.55	7.00	6.89	8.25	48.38	D.	

A—Unable to detect Rice Bran.

B—Unable to detect Buckwheat.

C—Fat guarantee on label differs from license.

D—Ingredients on label differ from license.

X—Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
The Continental Milling and Feed Co., Ellicott City, Md. (Cont.)	
Pre-Ferd Laying Mash.....	Ellicott City
Polka Dot Growing Mash.....	Ellicott City
Continental Horse Feed.....	Ellicott City
Polka Dot Horse Feed.....	Ellicott City
Corn & Oat Feed.....	Ellicott City
Polka Dot Pig Meal.....	Ellicott City
Polka Dot Hog Meal.....	Ellicott City
Polka Dot All Mash Broiler Ration.....	Ellicott City
Polka Dot Starting Mash.....	Ellicott City
Polka Dot Scratch Grains.....	Ellicott City
Polka Dot Turkey Growing Mash.....	Ellicott City
Polka Dot Turkey Starting Mash.....	Ellicott City
Corn Products Refining Co., New York, N. Y.	
Diamond Corn Gluten Meal.....	Baltimore.....
Buffalo Corn Gluten Feed.....	Frederick
Co-Pro-Co Chips.....	Baltimore.....
Co-Pro-Co Chips.....	Derwood.....
D. P. Darne, Barnesville, Md.	
Darne's 32% Dairy Feed.....	Barnesville.....
Darne's Laying Mash, with Pan-A-Min.....	Barnesville.....
*Darne's Laying Mash, with Pan-A-Min.....	Barnesville.....
Dawe's Vitamelk Co., Chicago, Ill.	
Vitamelk Concentrate.....	Frederick
Delaware Mills, Inc., Deposit, N. Y.	
*Delaware 32% Dairy Supplement.....	Ingleside.....
Delaware Sweet 24% Dairy Feed.....	Ingleside.....
Indian Sweet 24% Dairy Seed.....	Ingleside.....
Indian Sweet 20% Dairy Feed.....	Ingleside.....
†Indian Sweet 16% Dairy Feed.....	Ingleside.....
Delaware Laying Mash (with Cod Liver Oil & Dried Skim Milk).....	Ingleside.....
Delco Laying Mash (with Cod Liver Oil & Dried Skim Milk).....	Ingleside.....
Delaware Growing Mash (with Cod Liver Oil & Dried Skim Milk).....	Ingleside.....
Delaware Pig & Hog Feed.....	Ingleside.....
*Delaware Milk Flushing Mash (with Cod Liver Oil).....	Ingleside.....
Delco Starter & Broiler Ration (with Dried Skim Milk & Cod Liver Oil).....	Ingleside.....
Indian Scratch Grains.....	Ingleside.....
Del-Mar-Va. Milling Co., Inc., Snow Hill, Md.	
Stagg Egg & Breeder Ration.....	Snow Hill.....
†Stagg Developing Ration.....	Snow Hill.....
Stagg Yellow Leg Starter & Broiler.....	Snow Hill.....

* Deficient in protein or fat.

† Sampled before registration.

Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS
	Guaranteed	FOUND	Guarantee	FOUND	Guaranteed	FOUND			
8.09	18.00	19.31	4.00	4.68	7.00	6.25	11.35	50.32	As declared on label
8.60	16.00	17.20	4.00	5.25	7.00	6.67	8.06	54.22	B.
10.84	7.00	6.86	2.50	2.44	13.00	12.30	5.30	62.26	As declared on label
10.34	8.00	8.34	2.00	3.50	14.00	5.71	3.10	69.01	" "
10.07	10.00	9.48	4.00	3.86	7.00	5.15	2.00	69.44	" "
9.20	18.00	19.13	4.00	4.41	7.00	5.49	7.55	54.22	" "
8.35	20.00	20.55	4.00	3.61	6.00	6.85	10.68	49.96	" "
8.23	16.00	18.43	4.00	4.59	6.00	6.33	7.84	54.58	" "
8.65	15.00	17.81	4.00	4.39	5.00	5.23	6.64	57.28	" "
11.80	10.00	9.13	2.50	2.65	5.00	4.35	1.44	70.63	" "
8.57	20.00	21.94	4.00	6.75	7.00	6.39	10.10	46.26	" "
8.24	24.00	23.96	5.00	6.95	7.00	6.98	10.31	43.56	" "
8.25	43.00	44.58	1.00	1.76	4.00	2.35	2.85	40.21	" "
7.86	25.00	26.85	2.00	2.35	8.50	7.63	6.74	48.57	" "
8.25	26.00	28.70	4.00	5.03	6.00	6.09	2.50	49.43	" "
9.11	26.00	28.09	4.00	4.40	6.00	6.00	2.26	50.14	" "
8.93	32.00	32.99	4.50	4.93	9.00	8.39	10.16	34.60	" "
7.24	19.00	19.48	4.00	4.28	6.50	5.70	10.60	52.70	" "
8.78	19.00	16.72	4.00	4.03	6.50	6.43	8.64	55.40	" "
5.59	18.00	25.01	7.00	7.39	2.50	.64	11.50	49.87	" "
11.58	32.00	30.98	4.00	4.44	9.00	6.47	6.65	39.88	A.
11.13	24.00	24.93	4.50	4.15	9.00	6.09	7.25	46.45	As declared on label
9.06	24.00	24.17	3.50	4.78	12.00	9.41	8.33	44.25	" "
9.50	20.00	27.64	3.50	4.96	12.00	9.79	7.36	40.75	" "
10.46	16.00	17.98	3.50	4.35	14.00	12.02	8.65	46.54	" "
7.92	20.00	20.01	4.00	4.53	7.00	7.36	8.42	51.76	" "
9.33	17.00	18.16	4.00	4.26	9.00	7.90	9.10	51.25	" "
8.69	17.00	18.52	4.00	4.32	6.50	6.29	8.70	53.48	B.
8.30	16.00	16.32	4.00	5.54	8.00	5.92	9.40	54.52	As declared on label
8.44	17.00	15.97	3.50	3.24	6.00	4.45	5.50	62.40	" "
8.27	18.00	18.87	4.50	4.71	6.00	5.70	9.00	53.46	" "
10.90	10.00	10.25	2.50	2.65	4.00	3.10	1.25	71.85	C.
9.13	20.00	20.45	4.50	4.46	7.00	6.15	11.00	48.81	B.
8.66	17.00	21.06	4.00	4.22	6.00	5.21	10.15	50.70	As declared on label
8.43	18.00	19.83	4.00	3.89	6.00	5.39	9.60	52.86	B.

A—Unable to detect Linseed Oil Meal.
 B—Ingredients on label differ from license.
 C—Unable to detect Sunflower seed.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
The Derwood Mill, Derwood, Md.	
Derwood 32% Dairy Feed.....	Derwood.....
Derwood 26% Dairy Feed.....	Derwood.....
Derwood 20% Dairy Feed.....	Derwood.....
Derwood 16% Dairy Feed.....	Derwood.....
Derwood Laying Mash.....	Derwood.....
Derwood Growing Mash.....	Derwood.....
Derwood Hog Feed.....	Derwood.....
Derwood Baby Chick Starter.....	Derwood.....
Derwood Scratch Grains.....	Derwood.....
Derwood Turkey Mash.....	Derwood.....
Deutsch & Sickert Co., Milwaukee, Wis.	
Brewers Dried Grains.....	Bel Air.....
†Brewers Dried Grains.....	Queen Anne.....
Devilbiss Bros., New Windsor, Md.	
A-I-Laying Mash.....	New Windsor.....
The Dewey Bros., Co., Blanchester, Ohio	
Rye Distillers Dried Grains.....	Maugansville.....
Dietrich & Gambrill, Inc., Frederick, Md.	
*Gambrill's High Protein Dairy Feed.....	Baltimore.....
Frederick Dairy Feed.....	Elkton.....
Frederick Dairy Feed.....	Mt. Airy.....
Frederick Dairy Feed.....	Laurel.....
D. & G. Dairy Feed.....	Elkton.....
D. & G. Dairy Feed.....	Baltimore.....
Gambrill's 16% Dairy Feed.....	Baltimore.....
†Canton Laying Mash.....	Waldorf.....
Gambrill's Laying Mash.....	Bethesda.....
Gambrill's Laying Mash.....	Laurel.....
D. & G. Poultry Mixing Supplement.....	Federalsburg.....
D. & G. Poultry Mixing Supplement.....	Hagerstown.....
Frederick Horse Feed.....	Baltimore.....
Gambrill's Horse Feed.....	Baltimore.....
†Re-Ground Oat Feed & Molasses.....	Easton.....
D. & G. Hog Feed Supplement.....	Hagerstown.....
D. & G. Pig & Hog Meal.....	Laurel.....
Corn Feed Meal.....	Baltimore.....
Wheat Flour Middlings, with M. R. S.....	Baltimore.....
All Purpose Complete Ration Starter-Grower Layer.....	Laurel.....
D. & G. Poultry Conditioning Ration.....	Easton.....
Gambrill's Fattening Mash.....	Sykesville.....
D. & G. Broiler Mash.....	Hagerstown.....
D. & G. Breeder Mash.....	Hebron.....
All Mash Starter & Grower.....	Sykesville.....
Gambrill's Chick Starter.....	Hagerstown.....
Frederick Chick Grains.....	Baltimore.....
Gambrill's Developing Scratch.....	Baltimore.....
Canton Scratch Feed.....	Baltimore.....

* Deficient in protein or fat.

† Sampled before registration.

Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
8.67	32.00	32.74	4.00	4.50	10.00	7.97	8.17	37.95	A.
8.37	26.00	26.20	4.00	4.53	10.00	9.15	7.78	43.97	A.
9.40	20.00	21.26	3.50	4.25	12.00	10.44	8.17	46.48	B.
9.57	16.00	17.05	3.00	4.15	12.00	12.85	7.83	48.55	As declared on label
9.74	20.00	22.10	4.00	4.97	8.00	6.51	9.67	47.01	" " C.
9.86	19.00	20.48	4.00	4.26	7.00	5.52	9.06	50.82	" " "
8.65	18.00	19.58	4.50	4.97	8.00	7.70	13.33	45.77	" " B.
8.66	18.00	19.04	4.00	4.55	7.00	5.74	10.85	51.16	A.
10.80	10.00	9.56	2.50	2.75	4.00	3.05	1.62	72.22	As declared on label
8.97	21.00	21.94	4.00	4.81	7.00	8.98	13.00	42.30	D.
6.92	24.00	24.22	5.00	4.97	18.00	17.44	3.90	42.55	As declared on label
9.65	24.00	25.80	5.00	6.39	18.00	17.66	5.30	35.20	" "
6.78	20.00	20.71	4.00	5.31	8.00	8.02	8.05	51.13	As declared on label
5.48	16.00	17.29	5.00	5.69	18.00	15.32	2.40	53.82	" "
9.37	32.00	30.64	4.00	4.94	9.00	7.89	6.14	41.02	As declared on label
8.01	24.00	24.22	4.00	4.35	12.00	12.28	7.98	43.16	A.
9.30	24.00	24.99	4.00	4.41	12.00	10.71	7.31	43.28	As declared on label
10.74	24.00	24.67	4.00	4.27	12.00	11.08	6.15	43.09	A.
9.46	20.00	22.25	4.00	4.07	12.00	10.82	8.24	45.16	As declared on label
9.31	20.00	20.90	4.00	4.42	12.00	9.75	7.23	48.39	" "
9.41	16.00	21.29	3.50	3.92	12.00	9.32	8.43	47.63	" "
7.43	20.00	21.50	4.00	4.09	8.00	8.22	8.60	50.16	" "
10.29	20.00	20.71	4.00	4.87	7.00	6.99	8.06	49.08	" "
7.23	20.00	20.80	4.00	5.00	7.00	6.35	9.48	51.14	" "
6.50	37.00	38.44	4.00	4.58	7.00	5.50	23.15	21.84	A.
7.95	37.00	39.14	4.00	5.08	7.00	5.47	20.40	21.96	A.
9.79	7.00	8.93	2.00	2.59	12.00	10.63	4.14	63.92	As declared on label
9.53	10.00	9.94	3.50	3.49	12.00	8.81	3.47	64.76	" "
9.12	4.50	6.16	1.50	1.13	23.00	21.57	6.48	55.54	" "
7.01	40.00	42.56	4.00	4.92	9.00	6.63	29.45	9.43	" "
10.93	18.00	21.16	4.00	4.04	8.00	6.11	5.76	52.00	" "
10.26	8.00	9.21	3.00	5.55	5.00	3.68	2.20	69.10	" "
8.65	16.00	17.90	4.00	4.71	6.00	6.24	4.40	58.10	" "
8.66	15.00	17.29	4.00	4.65	7.00	5.36	9.04	55.00	" "
8.09	15.00	16.76	6.00	5.88	6.00	4.42	10.50	54.35	" "
9.53	14.00	15.36	4.80	4.39	5.00	4.47	5.41	60.84	" "
8.66	18.00	19.66	4.00	4.82	7.00	6.25	9.15	51.46	" "
10.33	19.00	20.36	5.00	5.21	9.00	7.48	10.25	46.37	" "
9.89	16.00	18.78	4.00	4.13	6.00	4.72	8.70	53.78	" "
8.07	18.00	19.83	4.00	5.13	6.00	5.32	9.10	52.55	" "
10.80	10.00	10.00	2.50	3.00	3.00	1.70	1.10	73.40	" "
10.75	10.00	10.53	2.50	2.55	3.00	1.80	1.09	73.28	" "
11.02	10.00	9.21	2.50	2.75	4.00	2.50	1.25	73.27	" "

A—Ingredients on label differ from license.

B—Fat guarantee on label differs from license.

C—Fibre guarantee on label differs from license.

D—Also detected A Corn Cereal.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Dietrich & Gambrill, Inc., Frederick, Md. (Continued)	
Gambrill's Scratch Feed.....	Baltimore.....
Gambrill's Pigeon Feed.....	Bethesda.....
D. & G. Turkey Growing Mash.....	Waldorf.....
D. & G. All Mash Turkey Starter.....	Waldorf.....
D. & G. All Mash Turkey Starter.....	Easton.....
William H. Dolbey, White Haven, Md.	
*Dolbey's Best 20% Laying Mash.....	White Haven.....
*Dolbey's Best All-In-One Hog Feed.....	White Haven.....
Pure Wheat Bran.....	White Haven.....
*Pure Wheat Middlings.....	White Haven.....
Dolbey's Scratch Feed.....	White Haven.....
Doughboy Mills, Inc., New Richmond, Wis.	
*Doughboy Feeding Oatmeal.....	Pocomoke City.....
Doughnut Corp. of America, Ellicott City, Md.	
Domaco Pure Winter Wheat Bran.....	Ellicott City.....
Domaco Standard Middlings W. M. R. S.....	Ellicott City.....
Dryden Milling Co., Pocomoke City, Md.	
Dryden's Laying Mash.....	Pocomoke City.....
Dryden's Growing Mash.....	Pocomoke City.....
†Corn Meal.....	Pocomoke City.....
Dryden's Starting Feed.....	Pocomoke City.....
Ezl. Dunwoody Co., Philadelphia, Pa.	
*Super X Fish Meal.....	Snow Hill.....
†Super X Pure Dried Skim Milk.....	Sudlersville.....
Eagle Mills, Pocomoke City, Md.	
Dryden's Pure Fish Meal.....	Salisbury.....
R. C. D. Laying Mash.....	Pocomoke City.....
R. C. D. Growing Mash.....	Pocomoke City.....
Dryden's Hog Meal.....	Pocomoke City.....
*Pure Wheat Bran.....	Pocomoke City.....
*Pure Wheat Middlings.....	Pocomoke City.....
Old Virginia Broiler Ration.....	Pocomoke City.....
Dryden's Chick Starter.....	Pocomoke City.....
Eagle Brand Scratch Feed.....	Pocomoke City.....
The Early & Daniel Co., Cincinnati, Ohio	
41% Soy Bean Oil Meal.....	Friendsville.....
Tuxedo Dairy 33% Supplement.....	Oakland.....
Tuxedo Dairy 24%.....	Frostburg.....
Tuxedo Special 24% Dairy Feed.....	Oakland.....
*Tuxedo Special 24% Dairy Feed.....	Frostburg.....
Tuxedo Special 20% Dairy Feed.....	Oakland.....
Tuxedo Dairy 16%.....	Frostburg.....
Tuxedo Special 16% Dairy Feed.....	Frostburg.....
Tuxedo Special Egg Mash.....	Friendsville.....

* Deficient in protein or fat.

† Deficient in both protein or fat.

‡ Sampled before registration.

Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENT
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
11.01	10.00	9.56	2.50	2.65	4.00	2.30	1.15	73.33	As declared on label
11.47	13.00	14.30	3.00	2.92	4.00	3.76	2.04	65.51	
8.80	20.00	20.45	4.00	4.82	8.00	6.62	11.80	47.51	
8.33	24.00	25.62	4.50	5.76	7.00	5.05	6.30	48.94	
8.55	24.00	25.01	4.50	4.81	7.00	5.97	12.05	43.61	
8.14	20.00	17.99	4.00	4.32	7.50	5.58	10.25	53.72	As declared on label
10.78	15.00	13.16	4.00	3.82	7.25	3.63	6.92	61.69	
7.86	12.00	12.55	3.00	3.91	9.00	8.66	5.55	61.47	
10.67	12.00	12.11	3.00	2.44	6.00	2.53	2.05	70.20	
11.20	9.00	9.15	3.00	3.20	5.00	4.35	1.25	70.85	
8.39	15.00	16.23	5.00	4.33	3.75	2.57	2.25	66.24	As declared on label
11.84	14.50	14.30	4.00	4.52	9.50	9.69	6.84	52.81	
8.01	14.00	15.09	3.50	4.33	8.50	9.40	5.18	57.99	
7.94	18.00	18.69	4.50	4.69	8.00	8.43	8.80	51.45	
8.57	16.00	17.20	3.50	4.29	5.00	5.35	7.35	57.24	
11.61	11.00	8.86	5.00	3.86	3.50	1.23	1.60	72.84	As declared on label
8.36	15.50	16.15	3.00	3.37	5.50	5.68	7.60	58.84	
5.75	60.00	66.70	4.50	3.75	1.50	1.13	16.10	6.57	
.....	30.00	34.31	.25	X1.04	.....	.....	9.05	.....	
6.13	55.00	58.97	7.00	7.23	3.00	.32	17.05	10.30	
7.38	19.00	21.76	5.00	4.94	8.00	7.56	8.95	49.41	As declared on label
9.37	16.00	17.55	4.00	4.64	7.00	5.76	9.75	52.93	
8.94	18.00	17.35	4.00	4.77	7.00	5.59	8.55	54.80	
8.32	13.00	14.48	4.40	3.32	9.00	8.56	5.70	59.62	
9.85	14.00	13.95	3.50	2.71	5.00	2.78	2.40	68.31	
8.24	18.00	21.41	5.00	4.53	6.00	5.01	10.05	50.76	As declared on label
8.94	16.00	17.20	4.50	4.05	6.00	4.99	6.95	57.87	
11.02	10.00	10.16	3.00	3.15	5.00	4.20	1.15	70.32	
8.95	41.00	43.53	5.00	4.90	7.00	6.05	6.25	30.32	
8.24	33.00	34.75	4.00	4.93	8.50	8.15	9.47	34.46	
8.81	24.00	25.97	4.00	4.65	9.00	7.14	8.60	44.83	As declared on label
6.56	24.00	25.80	3.50	3.59	12.00	9.29	9.70	45.06	
7.74	24.00	21.41	3.50	3.49	12.00	10.58	9.80	46.98	
7.41	20.00	20.62	3.75	3.76	12.00	10.63	9.65	47.93	
9.34	16.00	18.89	3.50	3.44	12.50	10.94	7.07	50.32	
7.16	16.00	18.95	3.00	3.21	12.50	11.60	10.00	49.08	As declared on label
7.78	20.00	20.02	4.00	4.23	8.00	6.34	9.00	52.63	
8.95	41.00	43.53	5.00	4.90	7.00	6.05	6.25	30.32	
8.24	33.00	34.75	4.00	4.93	8.50	8.15	9.47	34.46	
8.81	24.00	25.97	4.00	4.65	9.00	7.14	8.60	44.83	
6.56	24.00	25.80	3.50	3.59	12.00	9.29	9.70	45.06	As declared on label
7.74	24.00	21.41	3.50	3.49	12.00	10.58	9.80	46.98	
7.41	20.00	20.62	3.75	3.76	12.00	10.63	9.65	47.93	
9.34	16.00	18.89	3.50	3.44	12.50	10.94	7.07	50.32	
7.16	16.00	18.95	3.00	3.21	12.50	11.60	10.00	49.08	
7.78	20.00	20.02	4.00	4.23	8.00	6.34	9.00	52.63	As declared on label
8.95	41.00	43.53	5.00	4.90	7.00	6.05	6.25	30.32	
8.24	33.00	34.75	4.00	4.93	8.50	8.15	9.47	34.46	
8.81	24.00	25.97	4.00	4.65	9.00	7.14	8.60	44.83	
6.56	24.00	25.80	3.50	3.59	12.00	9.29	9.70	45.06	
7.74	24.00	21.41	3.50	3.49	12.00	10.58	9.80	46.98	As declared on label
7.41	20.00	20.62	3.75	3.76	12.00	10.63	9.65	47.93	
9.34	16.00	18.89	3.50	3.44	12.50	10.94	7.07	50.32	
7.16	16.00	18.95	3.00	3.21	12.50	11.60	10.00	49.08	
7.78	20.00	20.02	4.00	4.23	8.00	6.34	9.00	52.63	

A—Also detected Dried Tomato Pomace.

B—Ingredients on label differ from license.

C—Fat guarantee on label differs from license.

X—Fat as determined by the Roes-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
The Early & Daniel Co., Cincinnati, Ohio (Continued)	
Tuxedo Eggmaker Mash.....	Oakland
Tuxedo Eggmaker Mash.....	Oakland
Tuxedo Supplement Mash.....	Oakland
Tuxedo All Mash.....	Oakland
Tuxedo Growing & Developing Mash.....	Friendsville
Tuxedo Bulky Feed.....	Frostburg
Tuxedo Chop.....	Oakland
Tuxedo Pig Meal.....	Friendsville
Tuxedo Wheat Bran.....	Oakland
Standard Wheat Middlings, with Ground Screenings.....	Oakland
†Tuxedo Wheat Red Dog.....	Oakland
Rich Yellow Corn Feed Meal.....	Oakland
Tuxedo Broiler Mash.....	Oakland
Tuxedo Starting & Growing All Mash.....	Oakland
Tuxedo Chick.....	Friendsville
Tuxedo Developer Intermediate Scratch.....	Friendsville
Tuxedo Special Scratch Feed.....	Frostburg
Tuxedo Special Scratch Feed.....	Oakland
Tuxedo Turkey Starting Mash.....	Friendsville
Eastern Service Corp., Cambridge, Md.	
"Esco" No. 1 Egg Mash.....	Cambridge.....
"Esco" Growing Mash.....	Cambridge.....
Eastern Shore Feed Co., Easton, Md.	
Sur-Gain Egg Mash.....	Easton
Sur-Gain 18% Broiler Mash.....	Easton
Sur-Gain Turkey Starter Mash.....	Easton
Eastern States Farmers' Exchange, Springfield, Mass.	
32% Supplement Feed.....	Snow Hill
Egg Mash.....	Salisbury
Fulpail.....	Salisbury
Hog Meal.....	Salisbury
Flushing Mash.....	Snow Hill
Breeder Mash Pellets.....	Salisbury
Developer.....	Snow Hill
Starting & Broiler.....	Salisbury
Starting & Broiler Pellets.....	Salisbury
All-Mash Developer.....	Salisbury
Easton Milling Co., Easton, Md.	
Talbot 32% Special.....	Easton
Talbot Laying Mash, with Dried Milk.....	Easton
Talbot Pasture Feed.....	Easton
Pure Wheat Bran.....	Easton
Pure Wheat Middlings.....	Easton
*Talbot Starting & Growing Mash, with Dried Skim Milk.....	Easton

* Deficient in protein or fat.

† Deficient in both protein or fat.

Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
7.99	20.00	20.06	4.00	4.19	7.00	5.78	9.25	52.73	“ “
8.40	20.00	19.57	4.00	4.21	7.00	6.17	9.95	51.70	
7.32	30.00	30.71	4.00	4.61	7.00	6.66	17.10	33.60	“ “
9.08	15.00	15.53	4.00	3.75	6.00	6.75	8.75	56.14	
9.85	17.00	17.29	4.00	4.29	6.50	5.82	5.14	57.61	A.
10.70	10.00	12.44	2.00	1.89	15.00	16.62	10.74	47.61	A.
9.69	9.50	9.97	3.00	2.72	9.00	5.75	5.14	66.73	As declared on label
7.52	14.50	14.57	4.00	3.99	7.00	5.29	6.95	61.68	“ “
8.41	14.00	17.46	3.00	4.39	11.00	11.47	6.50	51.77	“ “
10.16	14.00	18.52	3.00	4.45	7.00	7.59	4.97	54.31	“ “
9.99	16.50	12.11	4.00	2.24	4.00	3.91	2.45	69.30	“ “
10.45	9.00	8.95	4.00	5.52	5.00	2.67	1.60	70.81	“ “
8.55	17.00	17.02	4.50	4.91	6.00	5.51	7.22	56.79	As declared on label
7.52	17.50	17.99	4.00	3.99	5.00	5.29	7.45	57.76	A.
10.90	10.00	10.25	2.50	2.65	3.50	2.50	1.63	72.07	As declared on lab.B.
10.80	9.00	9.40	2.50	2.65	4.00	3.20	1.15	72.80	“ “
11.00	9.00	9.20	2.50	2.60	5.00	4.30	1.20	71.70	“ “
10.90	9.00	9.15	2.50	2.65	5.00	4.20	1.30	71.80	“ “
8.86	24.00	25.45	4.50	5.62	5.00	4.82	8.45	47.40	A.
7.65	18.50	20.01	4.00	4.01	7.50	6.26	11.10	50.97	As declared on label
7.55	18.00	19.92	4.00	4.93	7.00	7.66	8.95	50.99	
7.55	17.00	16.94	5.00	4.61	7.00	6.72	7.25	56.93	“ “
7.55	18.00	20.80	4.00	4.75	6.00	5.55	7.05	54.30	“ “
10.31	26.00	25.45	5.00	6.55	6.00	5.39	10.75	41.55	“ “
8.38	32.00	32.08	4.50	5.43	8.00	7.34	8.24	38.53	“ “
8.02	20.00	21.94	4.00	5.01	6.50	6.09	11.65	47.29	
11.07	20.00	21.08	4.00	4.37	8.50	7.07	6.71	49.70	“ “
9.00	15.00	15.36	3.50	3.55	5.00	5.01	8.35	58.73	“ “
8.13	18.50	19.48	3.00	3.29	4.50	3.96	10.25	54.89	“ “
7.78	20.00	21.94	4.00	4.56	6.00	6.06	12.05	47.61	“ “
10.26	18.50	20.08	3.75	4.19	6.50	6.80	8.11	50.56	“ “
9.82	18.50	19.85	4.00	4.32	5.00	4.89	7.90	53.22	“ “
7.99	18.50	20.53	4.00	4.90	5.00	5.49	10.55	50.54	“ “
8.37	14.50	16.06	3.50	3.74	5.50	5.49	8.35	57.99	“ “
8.47	32.00	33.17	4.50	5.85	9.00	7.55	7.64	37.32	As declared on label
6.91	18.00	18.60	4.50	4.09	6.00	5.03	9.60	55.77	
9.91	16.00	16.30	3.00	3.38	10.00	7.08	7.78	55.55	“ “
7.10	12.00	14.22	3.50	4.09	10.00	9.29	6.95	58.35	“ “
8.42	12.00	12.81	2.50	3.79	3.00	2.62	2.70	69.66	“ “
7.46	18.00	16.85	4.50	4.20	7.00	5.64	10.20	55.65	“ “

A—Ingredients on label differ from license.

B—Protein guarantee on label differs from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
The Eichman Co., Union Bridge, Md.	
Eichman's Big Check Dairy Feed 24%.....	Union Bridge.....
Eichman's Echo Brand Egg Mash.....	Union Bridge.....
Eichman's Prize Porker Pig & Hog Feed.....	Union Bridge.....
Eichman's Special Ultra-Lifed Breeder Mash.....	Union Bridge.....
Eichman's Ultra-Lifed Chick & Grower.....	Union Bridge.....
Egg-O-Milk Co., Baltimore, Md.	
Egg-O-Milk Co's Blend.....	Centreville.....
Englar & Sponseller, Westminster, Md.	
*Meadow-Brook Laying Mash.....	Westminster.....
Pure Wheat Bran.....	Westminster.....
Wheat Middlings, with M. R. S.....	Westminster.....
John W. Eshleman & Sons, Lancaster, Pa.	
Eshelman Red Rose 32% Mixing Ration.....	Annapolis.....
Eshelman Maintenance 24% Dairy Feed.....	Oakland.....
Eshelman Red Rose 24% Dairy Feed.....	Annapolis.....
Eshelman Conestoga 20% Dairy Feed.....	Upper Marlboro.....
Eshelman Red Rose 20% Dairy Feed.....	Annapolis.....
Eshelman Pennsy 16% Dairy Feed.....	Silver Spring.....
Eshelman Red Rose Laying Mash, with Cod Liver Oil.....	Walkersville.....
Eshelman Pennsy Laying Mash, with Cod Liver Oil.....	Annapolis.....
Eshelman Red Rose Growing Mash, with Cod Liver Oil.....	Pittsville.....
Eshelman Red Rose 85% Horse Feed.....	Annapolis.....
Eshelman Garden Spot Horse Feed.....	Annapolis.....
Eshelman Red Rose Ground Oats.....	Salisbury.....
Eshelman Red Rose Pig & Hog Meal.....	Annapolis.....
Eshelman Red Rose Corn Feed Meal.....	Princess Anne.....
†Eshelman Red Rose Flushing Mash.....	Ridgely.....
Eshelman Red Rose Fattening Mash.....	Berlin.....
Eshelman Red Rose Broiler Ration, with Cod Liver Oil.....	Pittsville.....
Eshelman Red Rose All-Mash Starter & Grower, with Cod Liver Oil.....	Hagerstown.....
Eshelman Red Rose All Mash Starter, with Cod Liver Oil.....	Pittsville.....
Eshelman Red Rose Chick Starter, with Cod Liver Oil.....	Elkton.....
Eshelman Red Rose Chick Grains.....	Elkton.....
Eshelman Red Rose Turkey Grower, with Cod Liver Oil.....	Fallston.....
Eufaula Cotton Oil Co., Eufaula, Ala.	
‡Standard Brand 41% Peanut Meal.....	Frederick.....
Evans Milling Co., Indianapolis, Ind.	
Evans 41% Protein Soybean Oil Meal.....	Frederick.....
Fairfield-Western Maryland Dairy Corp., Baltimore, Md.	
Skim Milk Powder.....	Baltimore.....
Skim Milk Powder.....	Ellicott City.....

* Deficient in protein or fat.

† Sampled before registration.

Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS	
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND				
11.08	24.00	25.10	4.00	3.99	10.00	8.53	6.97	44.33	"	"
8.95	16.00	16.94	4.00	4.46	6.00	5.36	10.30	53.99	"	"
7.95	14.00	13.43	3.50	4.43	6.00	4.89	6.80	62.50	"	"
8.97	19.00	20.71	4.00	5.38	7.00	6.35	8.90	49.69	"	"
7.38	17.00	16.72	3.50	3.73	6.00	5.97	8.00	58.20	"	"
.....	32.00	33.96	1.50	X1.55	.....	.....	5.75	.....	"	"
8.37	20.45	20.53	5.50	4.70	10.45	9.29	8.70	48.41	"	"
9.14	14.00	14.13	3.28	4.37	10.27	9.84	6.25	26.27	"	"
9.74	16.00	15.09	4.00	4.49	6.00	4.51	3.10	63.07	"	"
10.45	32.00	32.10	4.50	4.57	9.00	7.72	8.01	37.15	As declared on label	
8.88	24.00	24.31	4.00	4.53	15.00	11.31	7.25	43.72		
9.19	24.00	25.44	4.00	3.99	11.00	8.27	8.01	45.10	"	"
10.06	20.00	21.92	4.00	4.01	11.00	10.26	8.45	45.30	"	"
10.16	20.00	21.64	4.00	4.02	11.00	8.48	6.55	49.15	"	"
10.08	16.00	18.54	3.00	4.94	11.00	10.96	8.32	47.16	"	"
7.94	20.00	21.41	5.00	5.68	7.50	7.12	9.80	48.05	"	"
10.80	18.00	19.22	4.50	4.65	8.00	7.90	8.15	49.28	"	"
8.12	16.00	18.08	4.00	4.60	7.50	7.27	7.40	54.53	"	"
11.01	9.00	10.44	3.00	4.16	10.00	7.28	3.27	63.84	"	"
11.09	7.00	8.33	2.00	2.49	11.00	10.45	5.88	61.76	"	"
7.41	11.50	11.41	4.50	4.55	12.00	12.95	3.50	60.18	"	"
9.16	16.00	17.99	5.00	5.31	10.00	7.93	7.50	52.11	"	"
9.97	8.00	8.69	3.00	3.28	4.00	2.23	1.70	74.13	"	"
7.75	16.50	17.29	2.50	3.31	6.50	4.86	8.40	58.39	"	"
8.37	14.00	16.85	4.50	3.39	5.50	4.72	6.50	60.17	"	"
8.18	17.00	19.74	4.50	4.76	7.50	6.85	8.25	52.22	"	"
7.79	16.00	17.38	4.00	4.65	7.00	7.09	8.36	54.74	"	"
8.27	16.00	17.90	4.00	4.35	6.50	5.91	9.15	54.42	"	"
7.24	17.50	19.66	4.00	4.42	6.00	5.43	8.40	54.85	"	"
11.80	10.00	10.51	3.00	3.47	3.00	2.65	1.69	69.88	"	"
8.02	18.00	18.87	4.25	4.88	8.00	9.47	7.25	51.51	"	"
5.57	41.00	43.70	5.00	6.86	16.00	14.08	4.50	25.29	"	"
9.50	41.00	45.28	4.00	4.28	7.00	5.92	6.45	28.57	"	"
.....	35.00	36.59	.50	X.73	.....	.....	8.00	.....	"	"
.....	35.00	36.33	.50	X.97	.....	.....	8.00	.....	"	"

X—Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Farmers Cooperative Association, Inc., Frederick, Md.	
Farco Brewers Grains & Molasses.....	Frederick
Farco 32% Supplement.....	Frederick
Farco 24% Milk Producer.....	Frederick
Farco 16% Dairy Feed.....	Frederick
Farco Egg Producer.....	Frederick
Farco Growing Mash.....	Frederick
Farco Pig & Hog Meal.....	Frederick
Farco Starting Mash.....	Frederick
Farmers Feed Co., Buffalo, N. Y.	
"Bull Brand" Dried Brewers Grains.....	Rising Sun.....
Farmers Fertilizer & Feed Co., Westminster, Md.	
Farmer's Favorite Dairy Feed.....	Westminster.....
Farmer's Favorite Laying Mash.....	Westminster.....
Farmer's Favorite Growing Mash.....	Westminster.....
Farmer's Favorite Pig Meal.....	Westminster.....
Farmer's Favorite Developer Feed.....	Westminster.....
Farmer's Favorite Starting Mash.....	Westminster.....
Farmer's Favorite Scratch Feed.....	Westminster.....
The Farmers Supply Co., Denton, Md.	
Fasuco Laying Mash.....	Denton.....
Fasuco Hog Feed.....	Denton.....
Farmers Supply Co., Walkersville, Md.	
Hog Feed.....	Walkersville.....
*Chicken Mash.....	Walkersville.....
Feed Mor Products Co., Westminster, Md.	
Meat Meal.....	Frederick
Tankage.....	Westminster.....
The Feed Products Co., Baltimore, Md.	
Fep-Co. Fish Meal.....	New Windsor.....
Fep-Co. Fish Meal.....	Stemmers Run.....
Fep-Co. Mids.....	Derwood.....
Felton & Kelly, Frederick, Md.	
*Egg Maker.....	Frederick.....
Hog Meal.....	Frederick.....
Winter Wheat Bran.....	Frederick.....
Winter Wheat Middlings.....	Frederick.....
Fernando Valley Milling & Supply Co., Van Nuys, Calif.	
Fernando Ideal Greens-Ideal Leaf Meal.....	Pocomoke City
Ferneau Grain Co., Blanchester, Ohio	
F. Corn Distillers Dried Grains.....	Derwood.....

* Deficient in protein or fat.

Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
11.23	22.00	22.78	5.00	5.65	15.00	13.82	3.62	42.90	As declared on label
9.61	32.00	32.61	3.00	4.05	7.00	8.18	11.78	33.77	A.
9.00	24.00	26.46	3.50	5.75	12.00	8.99	8.28	41.52	A.
11.00	16.00	19.74	3.00	3.55	14.00	8.06	6.42	51.23	A.
7.49	20.00	20.53	4.00	4.49	7.00	5.65	10.85	50.99	A.
7.36	18.00	17.75	4.00	4.21	8.00	5.35	8.00	57.33	A.
10.54	16.50	16.88	4.50	4.17	5.50	4.41	6.72	57.28	As declared on label
8.64	17.00	18.52	4.00	4.70	6.50	4.63	6.35	57.16	B.
7.23	26.00	25.97	6.00	6.49	17.00	16.26	4.15	39.90	As declared on label
7.71	24.00	24.66	4.00	4.19	12.00	10.76	6.77	45.91	" "
8.57	19.00	21.06	4.00	4.23	10.00	7.54	7.85	50.75	" "
8.53	17.00	17.72	4.00	3.72	6.50	7.39	6.65	55.99	" "
7.94	18.00	20.01	5.00	5.46	10.00	5.34	7.40	53.85	" "
10.90	10.00	10.25	2.50	2.60	3.00	2.50	1.93	71.82	" "
8.01	15.00	17.02	3.80	4.45	5.00	5.39	6.20	58.93	" "
11.20	10.00	9.65	3.00	3.25	4.00	3.20	1.65	71.05	" "
6.90	20.00	19.53	5.00	4.71	8.00	6.31	10.45	52.10	" "
7.93	15.00	16.76	5.00	5.18	7.00	5.14	8.20	56.79	" "
9.00	15.00	15.88	4.00	4.34	4.50	5.79	8.30	56.69	A.
11.39	18.00	16.59	4.00	4.62	6.00	5.47	6.78	55.15	As declared on label
6.04	55.00	59.50	5.00	9.61	4.00	2.62	22.15	.08	As declared on label
5.96	45.00	52.13	5.00	11.08	2.50	2.31	27.75	.77	" "
7.17	55.00	59.15	4.00	8.01	2.00	.33	16.30	9.04	" " C.
6.58	55.00	58.88	4.00	7.89	2.00	.45	15.50	10.70	" " C.
9.09	15.00	16.23	6.50	9.65	9.00	8.24	6.57	50.22	" "
7.99	18.00	17.20	5.00	4.00	5.00	3.46	8.90	58.45	" "
9.15	18.00	17.55	4.00	4.13	8.00	5.61	9.75	53.81	" "
9.60	13.00	15.27	3.00	4.28	10.00	9.93	6.10	54.82	" "
9.38	14.00	15.09	2.00	4.03	5.00	3.45	3.34	64.71	" "
6.65	20.00	20.36	2.50	3.04	18.00	17.58	12.35	40.02	" "
6.47	28.00	29.13	9.00	8.83	14.00	12.60	2.00	40.97	" "

A—Ingredients on label differ from license.

B—Ingredients and fibre guarantee on label differ from license.

C—Protein guarantee on label differs from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
J. T. Fisher & Son, Poolesville, Md.	
Home Mixed Laying Mash.....	Poolesville.....
The Fox Co., Newfield, N. J.	
Fox Skim Milk Powder.....	St. Michaels.....
Fullerton Supply Co., Overlea, Md.	
Fullerton Laying Mash.....	Overlea.....
Fullerton Starting & Growing Mash.....	Overlea.....
Fullerton Poultry Scratch.....	Overlea.....
Funk Bros. Seed Co., Bloomington, Ill.	
Funk's 41% Protein Soybean Oil Meal.....	Frederick.....
Galesburg Soy Products Co., Galesburg, Ill.	
†Triple Value Brand Soybean Oil Meal.....	Cardiff.....
Galestown Milling Co., Seaford, Del.	
All Purpose Mash.....	.....
Pure Wheat Bran.....	.....
Pure Wheat Middlings.....	.....
G. M. C. Scratch.....	.....
Gall & Smith, Thurmont, Md.	
†G. & S. Chick Starter.....	Thurmont.....
The Gambrill Grain Products Co., Baltimore, Md.	
Gambrill's A. A. Laying Mash.....	Baltimore.....
Gambrill's A. A. Growing Mash.....	Baltimore.....
Gardiner & Yowaski Milling Co., Chaptico, Md.	
Chaptico Laying Mash.....	Chaptico.....
*Superior Growing Mash, with Cod Liver Oil & DBM.....	Chaptico.....
Pure Wheat Bran.....	Chaptico.....
Pure Wheat Middlings.....	Chaptico.....
Chaptico Scratch Grains.....	Chaptico.....
General Commodity Corp., Buffalo, N. Y.	
†Old Sol Dried Skim Milk.....	Baltimore.....
General Mills, Inc., Minneapolis, Minn.	
Washburn's Gold Medal Hard Wheat Adrian Red Dog.....	Gaithersburg.....
Washburn's Gold Medal Hard Wheat Standard Middlings & Wheat Screenings.....	Baltimore.....
Washburn's Gold Medal Hard Wheat Standard Middlings & Wheat Screenings.....	Hagerstown.....
Georgia Distributing Co., Atlanta, Ga.	
†41% Protein Peanut Meal.....	Frederick.....
†Gold Dust Brand Cottonseed Meal.....	Frederick.....

* Deficient in protein or fat.

† Sampled before registration.

Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
7.89	15.00	15.62	3.50	3.16	5.00	3.69	5.10	64.54	" "
.....	33.00	33.96	.25	X.89	.....	.....	8.35	.....	" "
7.95	20.00	20.88	4.50	4.86	6.50	6.86	12.05	47.40	As declared on label
8.03	16.00	17.99	4.50	4.41	6.00	5.71	9.15	54.71	
10.80	10.00	10.25	3.00	3.04	4.50	3.15	1.50	71.26	
7.11	41.00	43.61	4.50	5.99	7.00	5.94	6.45	30.90	" "
8.58	41.00	42.56	4.50	4.74	7.00	5.62	6.30	32.20	" " A.
8.23	15.50	16.23	4.00	4.09	7.00	7.27	8.45	55.74	" "
9.69	14.00	13.95	3.50	4.32	10.00	8.63	6.40	57.01	" "
9.34	14.00	14.13	3.50	4.39	5.00	4.02	3.60	64.52	" "
11.02	9.00	9.15	3.00	3.20	4.00	3.16	1.10	72.37	" "
11.61	18.00	18.08	4.50	4.58	7.00	6.63	6.21	52.89	B.
8.56	20.00	19.92	3.50	5.24	8.00	6.28	9.05	50.95	C. As declared on label
8.54	16.00	17.02	4.00	5.31	7.00	6.90	8.40	53.83	
6.83	20.00	20.27	5.00	4.10	6.50	5.69	9.80	53.31	" "
7.79	17.00	15.45	4.25	4.08	5.00	6.49	10.90	55.29	" "
7.44	14.00	13.60	3.50	4.16	10.00	9.32	6.40	59.08	" "
8.76	14.00	13.08	4.00	3.59	6.00	3.19	2.95	68.43	" "
10.90	10.00	10.20	2.50	2.75	4.00	3.30	1.25	71.60	" "
.....	32.00	34.05	.50	X.55	.....	.....	8.93	.....	As declared on label
10.92	16.00	17.11	3.50	4.74	4.00	3.58	3.06	60.59	" "
8.39	15.00	15.97	4.00	4.76	9.50	8.83	5.40	56.65	" "
12.73	15.00	15.09	4.00	4.39	9.50	9.20	5.05	53.54	" "
8.47	41.00	41.07	6.00	6.31	18.00	17.20	5.14	21.81	" "
7.47	41.00	40.98	5.00	5.41	14.00	12.62	6.44	27.08	" "

A—Fat guarantee on label differs from license.

B—No information on label.

C—Also detected Ground Barley—unable to detect Corn Gluten Meal.

X—Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Glade Valley Milling Co., Walkersville, Md.	
*Gee Vee 32% Dairy Feed.....	Walkersville.....
Gee Vee 20% Dairy Feed.....	Walkersville.....
Gee Vee Laying Mash.....	Walkersville.....
Gee Vee Growing Mash.....	Walkersville.....
Soft Pure Winter Wheat Bran	Walkersville.....
*Soft Winter Wheat Middlings.....	Walkersville.....
Gee Vee Starting Mash.....	Walkersville.....
Goldsboro Milling Co., Goldsboro, Md.	
*Marvels Egg Mash.....	Goldsboro.....
William Gower & Son, Williamsport, Md.	
Hog Feed.....	Williamsport
The Great Atlantic & Pacific Tea Co., New York, N. Y.	
Milky Way Dairy Feed 24%.....	Oakland
Milky Way Dairy Feed 20%.....	Oakland
Daily Egg Laying Mash Feed.....	Oakland
Daily Horse Feed.....	Oakland.....
Daily Pig Meal.....	Oakland
Daily Growth Chick Starter.....	Oakland
Daily Egg Scratch Feed.....	Oakland
Green Acre Farms, Nazareth, Pa.	
Alfalfa Meal.....	Hagerstown
Alfalfa Meal.....	Hagerstown
Green Mish Co., Silver Spring, Md.	
"Green Tag Brand" Prime Peanut Meal.....	Germantown
Greensboro Milling Co., Greensboro, Md.	
Riddleberger's Poultry Mash.....	Greensboro.....
Pure Wheat Bran.....	Greensboro.....
†Pure Wheat Middlings.....	Greensboro.....
W. D. Groff, Owings Mills, Md.	
*Wil-Gro Laying Mash.....	Owings Mills.....
Hales & Hunter Co., Chicago, Ill.	
Special Red Horn 24% Dairy Feed.....	Annapolis.....
*Red Horn 20% Dairy Feed.....	Annapolis.....
Special Red Horn 20% Dairy Feed.....	Annapolis.....
Gold Flake Dairy Feed.....	Baltimore.....
Red Comb Egg Mash.....	Baltimore.....
Red Comb Egg Mash.....	Annapolis.....
Red Comb Growing Mash.....	Annapolis.....
Red Comb Sup-Pel.....	Salisbury
Red Comb Sup-Pel.....	Baltimore.....
Kingfalfa Horse Feed.....	Baltimore.....
Pioneer Pig & Hog Feed	Cumberland.....
Red Horn Calf Meal.....	Baltimore.....

* Deficient in protein or fat.

† Deficient in both protein and fat.

Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
6.65	32.00	34.58	6.00	4.23	11.00	9.23	9.05	36.26	A.
10.02	20.00	21.85	3.00	3.73	9.00	9.37	6.60	48.43	As declared on label
7.55	18.00	17.99	4.00	5.14	7.50	4.80	8.24	56.28	A.
8.47	16.00	16.58	3.75	4.37	6.50	4.73	7.64	58.21	As declared on label
9.08	14.00	15.45	4.00	4.02	12.00	9.56	7.00	54.89	" "
7.07	14.00	13.25	4.00	3.43	7.00	3.76	3.35	69.15	" "
8.40	17.00	18.16	4.00	5.38	6.50	4.04	7.55	56.47	" "
8.87	20.00	19.31	4.51	3.99	9.00	7.93	9.55	50.35	" "
9.41	16.00	17.11	4.00	3.73	8.00	4.53	4.35	60.87	" "
11.19	24.00	24.01	3.50	3.48	9.00	8.57	9.94	42.81	As declared on label
11.17	20.00	21.71	3.50	3.18	9.00	7.12	10.65	46.17	" "
8.41	20.00	20.45	4.00	4.11	6.50	7.44	11.35	48.24	" "
10.60	9.50	11.34	3.00	3.69	10.00	7.12	4.15	63.10	" "
7.30	27.00	27.82	4.00	4.51	6.25	6.37	15.35	38.65	" "
8.84	16.50	16.51	4.50	4.65	4.50	5.46	9.50	55.04	" "
10.04	10.00	10.37	2.50	3.09	5.00	1.87	1.53	73.10	" "
7.24	13.00	13.78	1.50	2.42	33.00	26.83	11.60	38.13	" "
7.15	13.00	17.64	1.50	2.04	33.00	23.29	15.95	33.93	" "
5.72	45.00	45.19	6.00	6.41	12.00	11.90	5.89	24.89	" "
9.63	17.00	16.94	4.00	4.25	7.00	8.33	7.50	53.35	" "
8.48	14.00	13.60	4.00	4.12	6.00	10.19	6.75	56.86	" B.
10.16	14.00	12.72	4.00	3.29	6.00	2.37	2.00	69.46	" "
6.33	18.00	17.99	5.00	4.38	8.00	8.17	8.80	54.33	" "
8.07	24.00	26.29	3.50	3.54	12.00	9.09	7.44	45.57	As declared on label
8.86	20.00	24.66	4.00	3.43	10.00	9.17	6.62	47.26	" "
8.44	20.00	21.46	3.50	3.30	12.00	10.13	8.02	48.65	" "
9.34	16.00	17.75	3.00	2.78	15.00	13.67	9.40	47.06	" "
7.96	18.00	19.39	4.00	5.04	7.00	6.76	10.75	50.10	" "
9.06	18.00	19.13	4.00	5.05	7.00	6.38	10.10	50.28	" "
8.96	16.00	17.64	4.00	5.15	7.00	6.59	7.50	54.16	" "
5.75	19.00	20.80	5.00	6.92	11.00	8.47	7.95	50.11	" "
7.16	19.00	20.71	5.00	6.84	11.00	8.21	7.85	49.23	" "
10.02	9.00	10.89	2.50	3.62	10.00	8.20	3.58	63.69	" "
7.74	20.00	22.38	4.00	4.47	7.00	7.52	10.90	46.99	" "
8.91	18.00	18.16	3.00	2.97	5.00	5.05	6.60	58.31	" "

A—Ingredients on label differ on license.

B—Fibre guarantee on label differs from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Hales & Hunter Co., Chicago, Ill. (Continued)	
Red Comb Broiler Mash.....	Salisbury
Red Comb Broiler Mash.....	Baltimore.....
*Red Comb Crate Fattener.....	Baltimore.....
Red Comb Chick Starter.....	Baltimore.....
Red Comb Chick Starter.....	Annapolis.....
Morning Glory Fine Chick.....	Baltimore.....
Red Comb Turkey Breeder.....	Pocomoke City
Dwight Hamlin Co., Pittsburgh, Pa.	
Hamlin's Dried Brewers Grains.....	Frederick.....
Hampstead Fertilizer Co., Hampstead, Md.	
R-E-M Home Made Laying Mash.....	Hampstead.....
Home Made Hog Feed.....	Hampstead.....
Hancock Flour & Feed Co., Hancock, Md.	
Potomac Laying Mash.....	Hancock.....
Frank Harbaugh, Middleburg, Md.	
Use More Dairy Feed.....	Middleburg
Use More Dairy Feed.....	Middleburg.....
Use More Egg & Growing Mash.....	Middleburg
U. L. Harman, Marydel, Md.	
Mary-Del Egg Mash.....	Marydel.....
Harman's Best Laying Mash.....	Marydel.....
The Hecker-H-O Co. of Canada, Ltd., Ontario, Canada.	
‡Algrane Brand Stock Feed (Basal Feed).....	Derwood.....
Henry & Missert Feed Co., Inc., Buffalo, N. Y.	
*H. & M. Special 20% Dairy Ration.....	Lineboro.....
H. & M. Chick Starter & Broiler Mash.....	Snow Hill.....
Hercules Powder Co., Dairy Products Division, Chicago, Ill.	
Dried Whey.....	Westminster.....
Dried Whey.....	Baltimore.....
Hershey Milling Co., Inc., Hagerstown, Md.	
Hershey Champion Egg Mash.....	Hagerstown
Hershey Champion Growing Mash.....	Hagerstown
Hershey Pure Wheat Bran.....	Hagerstown
Hershey Pure Wheat Middlings.....	Hagerstown
Hershey Developer Feed.....	Hagerstown
Hershey Chick Feed.....	Hagerstown
Hershey Chick Feed.....	Hagerstown
Hershey Special Scratch Feed.....	Hagerstown

* Deficient in protein or fat.

‡ Sampled before registration.

Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS	
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND				
8.29	18.00	20.18	4.00	4.37	7.00	5.74	8.30	53.12	"	"
8.41	18.00	20.45	4.00	4.75	7.00	6.23	8.30	51.86	"	"
8.23	13.00	14.44	4.00	3.46	6.00	5.71	5.60	62.56	"	"
8.52	18.00	19.83	4.00	4.62	6.00	4.85	8.20	53.98	"	"
8.32	18.00	20.80	4.00	4.57	6.00	5.81	8.78	51.72	"	"
11.00	10.00	10.53	2.50	2.75	5.00	3.25	1.40	71.07	"	"
8.96	20.00	19.92	5.00	4.68	7.00	5.21	9.95	51.28	"	"
6.91	24.00	29.31	6.00	5.78	18.00	14.20	3.94	39.86	"	"
7.30	20.00	20.71	4.50	4.40	8.00	8.05	8.40	51.14	"	"
8.08	15.00	17.72	4.00	4.48	8.00	6.11	6.80	56.81	"	"
8.95	18.00	18.25	4.00	4.41	8.00	6.72	3.70	57.97	"	"
7.41	16.50	21.41	4.00	4.00	10.00	10.20	9.75	47.23	As declared on label	
8.60	16.50	20.71	4.00	4.27	10.00	9.65	5.84	50.93		
8.85	20.00	20.18	4.00	4.66	7.00	6.44	7.80	52.07		
8.34	18.00	18.52	4.50	4.79	8.00	8.16	9.95	50.24	"	"
8.31	20.00	20.01	5.00	4.93	7.00	6.70	10.30	49.75	"	"
6.29	10.00	10.18	2.00	1.98	6.00	3.96	2.50	75.09	"	"
10.42	20.00	22.82	3.00	2.31	12.00	11.46	12.41	40.58	"	"
8.25	17.50	17.11	4.00	4.07	6.50	6.59	10.05	53.93	"	"
.....	11.50	11.67	.20	X.32	.....	.....	9.14	.....	"	"
.....	11.50	11.76	.20	X.70	.....	.....	11.50	.....	"	"
8.66	20.00	19.44	4.00	5.23	7.50	8.17	9.04	49.46	"	"
7.64	18.00	18.52	4.00	4.54	7.00	7.40	7.25	54.65	"	"
11.05	15.50	14.65	4.00	4.54	9.50	10.67	7.04	52.05	A.	"
10.22	15.50	14.57	4.00	3.99	6.00	2.98	3.14	65.10		"
10.07	10.00	10.00	2.50	3.16	5.00	2.57	1.85	72.35		"
11.02	10.00	10.25	2.50	2.75	5.00	4.20	1.15	70.63	"	"
10.90	10.00	10.40	2.50	2.75	5.00	4.20	1.50	70.25	B.	"
11.40	10.00	9.74	2.50	2.65	5.00	4.20	1.70	70.31		"

A—Protein guarantee on label differs from license.

B—Unable to detect Steel Cut Groats.

C—Also detected Oats—unable to detect Barley.

X—Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Hespenheide & Thompson, Inc., York, Pa.	
Premier Brewers Dried Grains, with Molasses.....	Denton.....
Premier 32% Farm Mixing Feed.....	Parkton
York 20% Dairy Feed.....	Parkton
Premier 16% Dairy Feed.....	Westminster.....
York Laying Mash, with Cod Liver Oil.....	Parkton
Premier Egg Mash, with BM., Charcoal & Minerals.....	Parkton
Premier Growing Mash, with Cod Liver Oil.....	Parkton
Premier Pig & Hog Meal.....	Parkton
Premier Pig & Hog Meal.....	Westminster.....
Premier Baby Chick Starter, with Cod Liver Oil.....	Parkton
John P. Howard, Hagerstown, Md.	
*Howard's Poultry Mash.....	Hagerstown
Howard's Scratch Grains.....	Hagerstown
Howard's Pigeon Feed, with Corn.....	Hagerstown
Howard's Pigeon Feed, without Corn.....	Hagerstown
Smith Hoyle, Boyds, Md.	
*Pure Wheat Bran.....	Boyds.....
†Pure Wheat Middlings.....	Boyds.....
Hubbard Milling Co., Mankato, Minn.	
Hubbard's Sunshine Concentrate (Cod Liver Oil).....	Hagerstown
†Hubbard's Sunshine Concentrate (Cod Liver Oil).....	Easton.....
Hubbard's Sunshine Concentrate.....	Hagerstown
†Hubbard's Sunshine Fine Chick Feed.....	Easton.....
†Hubbard's Sunshine Scratch Grains.....	Easton.....
Humphreys-Godwin Co., Memphis, Tenn.	
Dixie Brand Prime 41% Cottonseed Meal.....	Hagerstown
Dixie Brand Prime 41% Cottonseed Meal.....	Frederick
Dixie Brand Prime 41% Cottonseed Meal.....	Hagerstown
Danish Brand Cottonseed Feed.....	Silver Spring
The Humphries Supply Co., Glyndon, Md.	
Wheeler Special Laying Mash.....	Glyndon.....
Hurlock Milling Co., Hurlock, Md.	
Quality Laying Mash.....	Hurlock
Quality Pig Meal.....	Hurlock
*Pure Wheat Middlings.....	Hurlock
J. F. Imbs Milling Co., Belleville, Ill.	
Charm Pure Winter Wheat Bran.....	Hagerstown.....
Charm Pure Winter Wheat Bran.....	Hagerstown.....
Ingleside Milling Co., Ingleside, Md.	
Ingleside Laying Mash.....	Ingleside.....

* Deficient in protein or fat.

† Sampled before registration.

Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
9.78	19.00	22.24	4.00	5.20	16.00	14.12	4.86	43.80	As declared on label
8.81	32.00	33.17	4.00	4.44	10.00	7.46	8.94	37.18	
9.60	20.00	20.44	3.50	3.58	12.00	11.15	9.21	46.02	
10.55	16.00	18.60	3.00	2.92	12.00	12.01	13.06	42.86	
7.73	20.00	22.20	3.00	4.53	7.00	7.21	10.90	47.43	
8.07	20.00	20.62	4.50	4.24	7.00	7.29	10.80	48.98	
7.63	17.00	20.88	4.00	5.11	7.00	7.67	10.70	48.01	
7.52	16.00	17.38	4.00	4.34	7.00	7.02	12.20	51.54	
7.77	16.00	17.72	4.00	4.49	7.00	6.79	12.35	50.88	
7.90	18.00	20.36	4.00	4.56	5.00	5.47	9.60	52.11	
8.11	18.00	19.57	5.00	4.11	7.00	4.74	13.40	50.07	
11.30	10.00	10.00	2.50	2.75	4.00	3.20	1.74	71.01	
10.05	12.50	11.85	3.25	3.71	3.50	3.52	2.44	68.43	
9.80	14.00	14.48	3.00	3.35	4.00	3.97	2.06	66.34	
8.79	14.00	12.99	4.00	3.99	8.00	8.08	6.50	59.65	“ “
9.91	15.00	13.34	4.00	3.24	4.00	3.16	3.00	67.35	
8.69	32.00	33.43	4.50	5.80	7.00	7.29	13.30	31.49	“ “
5.89	32.00	33.52	4.50	5.31	7.00	6.67	13.60	35.01	
8.55	32.00	32.91	4.50	4.77	7.00	7.03	14.00	32.74	
11.09	10.00	10.40	2.00	2.67	2.00	1.94	1.62	72.28	
10.90	9.50	10.02	2.00	2.30	3.50	2.50	1.60	72.68	
6.71	41.00	41.24	5.00	6.56	12.00	11.55	6.70	27.24	As declared on label
7.46	41.00	41.94	5.00	6.04	12.00	10.36	6.70	27.50	
7.28	41.00	40.59	5.00	6.69	12.00	9.99	6.54	28.91	
7.74	36.00	36.59	5.00	5.94	15.00	13.52	6.65	29.56	
7.62	20.00	20.80	4.50	4.98	7.00	8.98	9.35	48.27	
8.37	18.00	22.55	4.95	4.67	9.62	7.86	12.05	44.50	“ “
8.10	18.00	20.18	4.50	4.10	8.00	5.27	8.15	54.20	
10.88	14.50	13.43	4.00	4.04	9.00	5.43	3.85	62.37	
9.36	14.00	16.32	3.50	4.46	11.00	7.41	6.70	55.75	“ “
8.81	14.00	16.76	3.50	4.44	11.00	9.65	7.75	52.59	
8.44	18.00	18.34	4.00	3.83	9.00	7.31	10.20	51.88	As declared on label

A—Unable to detect Whole Barley.

B—Also detected Corn Gluten Feed.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
International Milling Co., Minneapolis, Minn.	
Blackhawk Pure Wheat Bran.....	Westover.....
Blackhawk Wheat Standard Middlings, with G. S. N. Ex. M. R.	Westover.....
James Ireland Mill, Easton, Md.	
Hog Feed.....	Easton
Pure Wheat Bran.....	Easton
Pure Wheat Middlings.....	Easton
Jerusalem Mills, Kingsville, Md.	
Maryland Feeds 16% Dairy Feed.....	Kingsville.....
Maryland Feeds Egg Mash.....	Kingsville.....
Maryland Feeds Laying Mash.....	Kingsville.....
Maryland Feeds Hog Feed.....	Kingsville.....
Maryland Feeds Broiler Growing Mash.....	Kingsville.....
Maryland Feeds Broiler Growing Mash.....	Kingsville.....
Maryland Feeds Chick Starter.....	Kingsville.....
Maryland Feeds Chick Scratch Grains.....	Kingsville.....
C. S. Johnson, Hancock, Md.	
Pure Wheat Middlings.....	Hancock.....
The R. D. Johnson Milling Co., Cumberland, Md.	
† "Atlas" Dairy Feed.....	Cumberland.....
"Atlas" Egg Mash.....	Cumberland.....
"Atlas" Stock Feed.....	Cumberland.....
"Atlas" Scratch.....	Cumberland.....
Kasco Mills, Inc., Waverly, N. Y.	
Kasco 32% Mixing Feed.....	Mt. Airy.....
Oc-Sak 24% Dairy Feed.....	Hancock.....
Kasco Mornimilk Dairy Ration.....	Baltimore.....
Apex 20% Dairy Ration.....	Baltimore.....
Kasco Sweet 16% Dairy Feed.....	Oakland.....
Kasco Sweet 16% Dairy Feed.....	Hagerstown.....
Kasco Farm Feed.....	Hancock.....
Apex Egg Mash.....	Hancock.....
Apex Egg Mash.....	Hagerstown
Apex Egg Mash.....	Mt. Airy.....
Apex Laying Mash.....	Baltimore.....
Kasco Laying Mash.....	Hancock.....
Kasco Laying Mash.....	Hagerstown
Kasco All Mash Laying & Breeding Ration.....	Baltimore.....
Kasco All Mash Laying & Breeding Ration.....	Baltimore.....
Kasco Mash Supplement.....	Baltimore.....
Kasco Horse Feed.....	Baltimore.....
† Apex Sugared Chop.....	Hancock.....
Kasco Hog Supplement.....	Baltimore.....
Oc-Sak Pig-an-Hog Ration.....	Mt. Airy.....
† Oc-Sak Pig-an-Hog Ration.....	Hancock.....
Kasco Pig-Hog Feed.....	Hagerstown
Kasco Calf Meal.....	Baltimore.....

† Deficient in both protein and fat.

‡ Sampled before registration.

Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS	
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND				
7.89	15.00	17.55	3.20	4.76	12.00	10.97	6.95	51.88	"	"
8.70	16.00	17.02	4.50	4.49	8.50	10.09	5.60	54.10	"	"
8.58	16.00	15.58	2.75	3.46	5.00	5.58	8.20	58.60	"	"
7.58	13.00	13.95	3.00	3.98	10.00	10.64	7.05	56.80	"	"
9.51	13.00	13.51	3.00	3.06	8.00	2.63	2.70	68.59	"	"
10.32	16.00	15.92	3.00	4.01	10.00	7.50	4.85	57.40	A.	
10.99	20.00	20.62	4.00	3.53	6.00	5.09	6.90	52.87	As declared on label	
9.95	20.00	21.51	4.00	4.06	7.00	6.24	9.20	49.04	B.	
9.49	18.00	18.61	3.50	3.73	6.00	5.55	6.85	55.78	C.	
9.31	20.00	19.92	4.00	4.83	7.00	7.20	9.30	49.44	As declared on label	
9.72	20.00	19.18	4.00	4.68	7.00	7.39	8.65	50.38	"	"
9.02	16.00	15.01	4.00	4.76	6.00	4.75	6.95	59.51	"	"
11.02	10.00	10.30	3.00	3.40	3.00	2.14	1.50	71.64	"	"
9.52	14.00	14.74	2.50	3.34	8.00	2.53	3.30	66.57	"	"
6.74	16.00	13.95	4.30	3.79	6.10	11.63	15.15	48.74	"	"
6.90	18.00	19.13	4.00	4.30	7.00	6.86	19.20	43.61	D.	
7.58	9.00	9.65	3.00	4.28	12.00	11.96	5.80	60.73	As declared on label	
11.65	9.00	10.01	3.00	3.19	2.10	2.14	1.78	71.23	E.	
9.55	32.00	33.06	4.00	4.61	10.00	7.56	9.85	35.37	As declared on label	
10.66	24.00	25.26	3.50	4.75	12.00	10.08	8.17	41.08	"	"
10.93	24.00	25.14	4.00	4.22	10.00	8.02	8.00	43.69	"	"
9.17	20.00	21.66	3.50	3.81	12.00	11.50	9.22	44.64	"	"
9.91	16.00	18.14	3.50	3.47	12.00	10.62	8.32	49.54	"	"
9.62	16.00	15.40	3.50	3.78	12.00	12.77	11.09	47.34	"	"
7.57	16.00	15.36	3.00	3.16	9.00	8.70	11.05	54.16	"	"
7.79	18.00	18.08	3.50	4.54	8.00	7.16	11.85	50.58	"	"
8.79	18.00	18.25	3.50	4.70	8.00	7.05	11.40	49.81	"	"
7.84	18.00	17.81	3.50	4.39	8.00	7.38	10.25	52.33	"	"
8.79	20.00	21.67	4.00	4.40	8.50	6.78	9.95	48.41	"	"
7.59	20.00	20.53	4.00	4.95	7.50	6.23	10.70	50.00	"	"
8.89	20.00	20.01	4.00	4.77	7.50	7.02	11.36	47.95	"	"
9.79	15.00	17.90	4.00	4.03	6.50	5.44	8.88	53.96	"	"
9.05	15.00	17.81	4.00	4.20	6.50	5.39	7.15	56.40	"	"
7.15	26.00	28.61	4.00	4.90	7.00	6.88	10.95	41.51	"	"
10.76	9.00	10.10	3.00	3.31	10.00	8.13	5.16	62.54	"	"
11.40	10.00	10.66	3.00	3.73	12.00	11.60	6.39	56.22	"	"
7.85	40.00	40.10	4.00	4.62	6.50	5.91	12.40	29.12	"	"
7.55	16.00	16.50	3.50	3.78	8.00	7.71	10.14	54.32	"	"
8.47	16.00	15.97	3.50	4.12	8.00	7.80	9.30	54.34	"	"
6.53	17.00	16.94	4.00	4.28	8.00	8.37	10.00	53.88	"	"
7.86	21.00	23.08	3.50	3.46	4.50	4.21	5.75	55.65	"	"

A—Also detected Linseed Oil Meal.

B—Ingredients and Fibre guarantee on label differ from license.

C—Unable to detect Linseed Oil Meal.

D—Ingredients on label differ from license.

E—Also detected Barley.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Kasco Mills Inc., Waverly, N. Y. (Continued)	
‡Apex Starter & Grower.....	Hancock.....
Apex Starter & Grower.....	Hagerstown.....
Apex Starter.....	Sudlersville.....
Kasco All Mash Chick Starter.....	Oakland.....
Kasco Fitting Ration.....	Baltimore.....
Kasco Poultry Flushing Mash.....	Baltimore.....
Kasco Poultry Flushing Mash.....	Hagerstown.....
Kasco Poultry Fattener.....	Hagerstown.....
Apex Chick Grains.....	Hancock.....
Apex Scratch Grains.....	Hancock.....
‡Kasco Scratch Grains.....	Baltimore.....
Kasco Turkey Grower.....	Baltimore.....
Kasco Turkey Starter.....	Baltimore.....
Kasco Turkey Starter.....	Hagerstown.....
Kasco Rabbit Pellets.....	Baltimore.....
The Keedysville Milling Co., Inc., Keedysville, Md.	
Wheat Bran.....	Keedysville.....
Wheat Middlings.....	Keedysville.....
Kelco Co., New York, N. Y.	
Kelco-Meal.....	Baltimore.....
Spencer Kellogg & Sons, Inc., Buffalo, N. Y.	
Kellogg's 41% Protein O. P. Soybean Oil Meal.....	Westminster.....
F. P. Keppel, Rising Sun, Md.	
F. P. Keppel 32% Dairy.....	Rising Sun.....
F. P. Keppel Laying Mash.....	Rising Sun.....
The Key Grain & Feed Co., Keymar, Md.	
The Key 32% Dairy Ration.....	Detour.....
The Key Dairy Ration.....	Detour.....
The Detour Laying Mash.....	Detour.....
The Key Laying Mash.....	Detour.....
The Key Growing Mash.....	Detour.....
The Key 34% Hog Supplement.....	Detour.....
The Key 34% Hog Supplement.....	Hampstead.....
The Key Pig Meal.....	Detour.....
The Key Starting Mash.....	Detour.....
The Key Scratch Grains.....	Keymar.....
Keystone Milling Co., Littlestown, Pa.	
‡Keystone Premium Egg Mash.....	Fowblesburg.....
*Pure Wheat Bran.....	Emmitsburg.....
‡Soft Wheat Middlings, with Ground Screenings.....	Taneytown.....
*Soft Wheat Middlings, with Ground Screenings.....	Taneytown.....
Keystone Premium Chick Starter.....	Emmitsburg.....
King Feed Co., Ellicott City, Md.	
‡Doco Feed.....	Sykesville.....

* Deficient in protein or fat.

‡ Sampled before registration.

† Deficient in both protein and fat.

Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS	
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND				
9.03	14.00	15.09	4.00	4.48	8.50	5.71	7.25	58.44	"	"
8.03	14.00	14.30	4.00	4.39	8.50	7.04	9.95	56.29	"	"
8.31	16.00	18.95	4.00	4.63	7.00	6.04	8.14	53.93	"	"
8.09	17.00	17.11	4.00	4.89	5.50	6.85	11.00	52.06	"	"
11.07	14.00	15.40	4.00	3.98	8.00	6.76	9.09	53.70	"	"
6.73	17.00	18.69	3.50	3.50	6.00	4.91	9.50	56.67	"	"
6.15	17.00	17.81	3.50	4.70	6.00	5.88	12.00	53.46	"	"
7.80	13.00	13.86	4.00	4.37	6.00	4.56	11.45	57.96	"	"
10.70	9.00	9.50	2.50	2.75	3.50	2.40	1.80	72.85	As declared on label	
11.15	9.00	9.30	2.50	2.76	4.00	2.25	1.20	73.34		
11.05	9.00	9.25	2.50	2.60	4.00	3.20	1.30	72.60	"	"
8.40	20.00	21.24	4.00	3.87	8.00	7.27	7.94	51.28	"	"
8.50	24.00	25.27	4.00	4.56	8.00	6.84	10.15	44.68	"	"
7.25	24.00	24.22	4.00	4.79	8.00	6.93	13.60	43.21	"	"
8.67	14.00	14.74	3.00	3.78	11.00	10.03	7.93	54.85	"	"
12.58	13.50	13.78	3.25	3.69	9.00	9.56	6.04	54.35	"	"
11.01	14.00	14.04	3.50	3.36	4.00	3.46	3.00	65.13	"	"
7.18	3.00	5.35	.10	.62	10.00	8.34	34.70	43.81	"	"
8.49	41.00	43.53	4.00	5.03	7.00	5.91	5.30	31.75	"	"
8.25	32.00	33.36	4.50	4.42	9.00	7.61	8.03	38.33	"	"
8.82	20.00	20.53	4.50	4.26	6.00	6.73	10.30	49.36	"	"
8.66	32.00	31.33	4.75	5.01	11.00	9.49	9.90	35.61	As declared on label	
8.01	20.00	21.59	4.00	4.29	11.00	8.89	8.03	49.19		
7.89	19.00	19.13	4.50	5.14	9.00	6.46	10.80	50.58	"	"
8.12	19.00	20.01	5.00	5.00	7.00	5.95	10.30	50.62	"	"
8.26	16.00	17.64	4.50	4.49	7.00	5.89	6.45	57.27	"	"
7.51	34.00	34.92	4.50	5.37	8.00	8.20	18.80	25.20	"	"
8.91	34.00	36.07	4.50	5.24	8.00	9.09	17.10	23.59	"	"
9.03	17.00	17.72	4.00	4.54	7.00	5.68	6.90	56.13	"	"
8.61	16.00	16.85	4.50	4.51	6.00	5.53	7.85	56.65	"	"
11.20	10.00	10.40	2.75	3.00	4.00	3.25	2.10	70.05	"	"
7.68	18.00	20.27	4.00	4.48	8.00	6.37	7.55	53.66	"	"
8.32	15.00	15.45	4.00	2.67	10.00	10.09	7.25	56.22	"	"
11.10	14.00	12.72	5.00	3.27	5.29	3.38	6.59	62.94	"	A.
9.08	14.50	13.60	5.00	3.30	5.29	3.03	2.80	68.19	"	B.
11.14	18.00	17.16	4.00	4.71	7.50	6.16	6.39	54.44	"	"
7.16	9.00	9.21	6.00	6.61	.50	.17	3.00	73.85	C.	

A—Protein; Fat and Fibre guarantee on label differ from license.

B—Protein guarantee on label differs from license.

C—Product consist of Flour, Salt, Spices, Sugar, etc. also Silico particles.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Kline Bros., Inc., Boonsboro, Md.	
Kline Bros. Egg Mash.....	Benevola.....
Kline Bros. Pig & Hog Meal.....	Benevola.....
Wheat Bran.....	Benevola.....
Wheat Middlings.....	Benevola.....
Kline Bros. Scratch Grains.....	Benevola.....
Charles F. Knock, Frederick, Md.	
Square "K" Laying Mash.....	Frederick.....
*Square "K" Growing Mash.....	Frederick.....
Square "K" Chick Feed.....	Frederick.....
Square "K" Scratch Feed.....	Frederick.....
Square "K" Medium Scratch Feed.....	Frederick.....
H. C. Knoke & Co., Chicago, Ill.	
†Barley Feed.....	Linwood.....
Kraft-Phenix Cheese Corp., Chicago, Ill.	
Collis Dried Buttermilk.....	Ellicott City.....
Collis Dried Buttermilk.....	Pocomoke City.....
H. Curtis Krout, Maryland Line, Md.	
Krout's Egg Mash.....	Maryland Line.....
La Grange Mills, Red Wing, Minn.	
Pure Wheat Bran.....	Rising Sun.....
Wheat Standard Middlings, with Ground Screen. N. Ex. M. R.	Rising Sun.....
Pure Flour Middlings.....	Rising Sun.....
Lakeview Milling Co., Chambersburg, Pa.	
Soft Winter Wheat Bran, with M. R. S.....	Chewsville.....
F. S. Langrell, Preston, Md.	
Pure Wheat Bran.....	Preston.....
Pure Wheat Middlings.....	Preston.....
Larrowe Milling Co., Division of General Mills, Inc., Detroit, Mich.	
Larro, The Ready Ration for Dairy Cows.....	Silver Spring.....
Larro Egg Mash.....	Silver Spring.....
Larro Egg Mash.....	Laurel.....
Larro Pig & Hog Builder.....	Laurel.....
Larro Broiler Feed.....	Silver Spring.....
Larro Chick Builder.....	Silver Spring.....
Larro Scratch Grains.....	Silver Spring.....
Leisters Feed Store, Millers, Md.	
Hamco Egg Mash.....	Millers.....
John T. Lewis & Bros. Co., Philadelphia, Pa.	
34% O. P. Linseed Meal.....	Derwood.....

* Deficient in protein or fat.

† Sampled before registration.

Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
7.99	18.00	17.99	3.50	4.49	7.00	6.43	7.20	55.90	D.
9.55	16.00	17.90	4.00	3.95	6.00	5.22	5.20	58.18	As declared on label
7.34	14.00	14.57	4.00	4.35	9.00	10.69	7.30	55.75	" "
8.73	15.00	15.18	4.00	4.18	5.00	3.44	3.10	65.37	" "
11.05	9.00	9.40	2.50	2.75	5.00	3.50	1.17	72.13	" "
8.98	20.00	21.41	3.00	5.14	7.00	4.97	9.70	49.80	A.
9.25	18.00	16.23	4.00	4.32	7.00	4.01	7.85	58.34	As declared on label
11.02	9.00	9.50	3.00	3.25	5.00	4.20	1.50	70.53	" "
11.15	9.00	9.48	3.00	3.20	5.00	4.30	1.80	70.07	" "
11.20	9.00	9.50	3.00	3.65	5.00	3.75	1.20	70.70	" "
10.37	12.00	15.36	3.00	4.24	16.00	12.32	4.86	52.85	" "
	30.00	32.56	5.00	X4.70			8.66		C.
	30.00	30.36	5.00	X6.25			8.35		C.
8.87	20.00	21.94	4.00	4.61	7.00	5.83	10.90	47.85	" "
8.03	15.00	16.32	4.50	4.79	13.00	12.21	7.85	50.80	" "
8.73	16.50	18.08	5.00	5.23	9.50	7.73	5.55	54.68	" "
8.80	16.50	18.78	3.50	4.87	5.00	3.95	3.55	60.05	" "
10.19	14.00	14.22	4.00	4.38	9.50	8.48	6.50	56.23	" "
7.98	13.00	13.60	3.00	3.46	10.00	7.14	5.05	62.77	" "
10.74	13.00	12.20	3.00	2.52	7.00	2.62	2.10	69.82	" "
9.02	20.00	21.76	3.75	4.30	12.00	10.64	6.86	47.42	As declared on label
8.76	20.00	20.18	4.00	4.43	7.50	6.77	9.04	50.82	" "
8.49	20.00	21.32	4.00	4.66	7.50	6.51	9.85	49.17	" "
9.31	17.50	17.81	4.00	4.24	7.50	6.38	9.03	53.23	" "
8.59	20.00	20.62	3.50	3.80	7.00	6.73	6.70	53.56	" "
7.79	19.00	19.83	4.00	4.41	7.00	6.75	10.05	51.17	" "
10.90	10.00	10.10	2.00	2.45	4.00	3.15	1.40	72.00	" "
7.17	20.00	20.62	4.00	5.37	8.00	7.14	10.50	49.20	" "
7.69	34.00	35.72	4.50	5.26	10.00	8.65	5.62	37.06	" B.

A—Unable to detect Linseed Oil Meal.

B—Acid Insoluble Ash 0.30.

D—Unable to detect Peanut Oil Meal.

X—Fat as determined by the Roese-Gottlieb Method.

C—Also detected Starch.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
The Liberty Milling Co., Germantown, Md.	
*Liberty 32% Mixing Ration.....	Germantown
*Montgomery 26% Dairy Ration.....	Germantown
*Liberty 22% Dairy Feed.....	Germantown
Liberty 16% Dairy Feed.....	Germantown
Liberty Laying Mash.....	Germantown
Liberty Growing Mash.....	Germantown
*Liberty Hog Meal.....	Germantown
Liberty Pure Bran.....	Germantown
Liberty Soft Winter Middlings, with M. R. S.....	Germantown
Liberty Baby Chick Starter.....	Germantown
Liberty Intermediate Scratch Grains.....	Germantown
Liberty Scratch Grains.....	Germantown
The Linwood Elevator Co., Linwood, Md.	
Linwood Laying Mash.....	Linwood
Linwood Complete Pig Meal.....	Linwood
S. C. Long, Wicomico, Md.	
Pure Wheat Bran.....	Wicomico.....
†Pure Wheat Middlings.....	Wicomico.....
The Loudonville Milling Co., Loudonville, Ohio	
Red Dog Middlings, with Screenings.....	Oakland.....
"Le Grande" Scratch Feed.....	Oakland.....
L. B. Lovitt & Co., Memphis, Tenn.	
"Lovit Brand" 41% Protein Cottonseed Meal.....	Frederick.....
*"Lovit Brand" 41% Protein Cottonseed Meal.....	Hagerstown
*"Lovit Brand" 41% Protein Cottonseed Meal.....	Germantown
Maritime Milling Co., Inc., Buffalo, N. Y.	
‡Farmers B-B. Mixing Feed Sweetened.....	Easton
Sweetened B-B. "24" Dairy Ration.....	Mardela Springs
‡Hi-Test Dairy Feed 20% Protein Sweetened.....	Mardela Springs
Marmico 16% Protein Dairy Feed, with Molasses.....	Mardela Springs
‡B-B. Daisy Growing Mash.....	Easton
‡B-B. Starter & Growing Ration.....	Easton
Earl Martin, Hagerstown, Md.	
Reid Dairy Feed.....	Reid
Reid 20% Dairy Feed.....	Reid
Reid Hog Feed.....	Reid
Maryland Supply Co., Baltimore, Md.	
Maryland Feeds 20% Dairy Feed.....	Kingsville.....
Maryland Feeds Medium Scratch Grains.....	Kingsville.....
Maryland Feeds Scratch Grains.....	Kingsville.....

* Deficient in protein or fat.

† Deficient in both Protein and Fat.

‡ Sampled before registration.

Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS	
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND				
8.11	32.00	30.32	4.00	5.05	11.00	9.23	8.06	39.23	"	"
8.61	26.00	26.68	5.00	4.45	9.00	9.52	7.68	43.06	"	"
8.92	22.00	22.99	5.00	4.14	10.00	12.15	7.44	44.36	"	"
8.73	16.00	16.50	3.50	3.45	15.00	15.02	12.12	44.18	"	"
9.01	19.00	20.53	4.50	5.55	7.00	6.78	11.75	46.37	"	"
8.55	18.00	18.16	4.00	5.09	7.00	7.15	9.04	52.01	"	"
8.61	20.00	20.18	5.00	4.33	5.00	6.25	7.30	53.33	"	B.
11.92	14.00	14.30	4.00	4.04	10.50	9.81	6.18	53.75	"	"
10.79	14.00	14.39	4.00	4.72	10.00	3.11	2.86	64.13	"	"
7.64	17.00	18.95	4.50	4.96	6.00	5.31	7.85	55.29	"	C.
10.90	10.00	10.18	4.00	4.10	3.00	2.60	2.02	70.20	D.	As declared on label
11.02	10.00	9.21	3.50	4.02	3.00	2.26	1.45	72.04	E.	
8.21	18.00	21.24	4.50	4.48	8.00	6.71	8.30	51.06	As declared on label	
8.08	15.00	18.78	4.00	4.81	7.00	8.96	8.60	59.77	"	"
8.25	13.00	13.86	4.00	4.17	10.00	6.45	5.90	61.37	"	"
10.14	13.00	10.53	4.00	2.83	5.00	1.92	2.20	72.38	"	"
9.76	15.00	14.30	4.00	3.62	7.00	4.31	7.90	60.11	"	"
10.19	10.00	10.33	2.50	3.07	3.00	2.24	2.17	72.00	"	"
6.32	41.00	41.24	5.00	6.61	13.00	10.58	7.00	28.25	"	"
7.21	41.00	39.75	5.00	6.14	13.00	12.94	6.90	27.06	"	"
7.11	41.00	39.93	5.00	5.45	13.00	12.83	6.36	28.32	"	"
10.64	32.00	36.46	5.00	4.81	9.00	6.24	7.36	34.49	"	"
11.40	24.00	24.08	4.00	4.06	9.00	8.11	6.48	45.87	"	"
11.13	20.00	20.43	4.00	4.27	12.00	10.23	7.26	46.68	"	"
10.75	16.00	17.65	4.00	3.97	12.00	10.30	8.85	48.48	"	"
8.99	15.00	16.32	4.00	4.54	8.00	8.18	8.50	53.47	"	"
9.44	17.00	18.78	4.00	4.36	7.00	6.58	9.10	51.74	"	"
9.40	24.00	28.40	4.00	4.43	12.00	9.17	6.77	41.83	A.	
10.70	20.00	23.39	4.00	3.58	12.00	8.18	7.80	46.35	A.	
11.61	16.00	15.16	4.00	3.75	10.00	4.23	5.25	60.00	A.	
8.22	20.00	19.75	4.00	3.99	10.00	11.63	6.70	49.71	F.	As declared on label
10.50	10.00	10.30	3.00	3.50	4.00	3.20	1.14	71.36	"	"
10.70	10.00	10.15	2.50	2.70	4.00	3.60	1.20	71.65	"	"

A—No information on label.

B—Fibre guarantee on label differs from license.

C—Protein and Fibre guarantee on label differ from license.

D—Ingredients and Protein and Fat guarantee on label differ from license.

E—Ingredients and Fat and Fibre guarantee on label differ from license.

F—Ingredients on label differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
McMillen Feed Mills, Inc., Fort Wayne, Ind.	
Master Soy.....	Reisterstown
Master Mix 32% Dairy Concentrate.....	Hampstead
Master Mixing Feed.....	Hampstead
Master Mix 40% Hog Concentrate.....	Emmitsburg
Master Mix 40% Hog Concentrate.....	Hampstead
Master Mix 34% Mash Concentrate.....	Hampstead
Master Mix Blending Feed.....	Mt. Lake Park
Master Mix 32% Chick Concentrate.....	Walkersville
†Master Mix Fine Chick Feed.....	Reisterstown
†Master Mix Intermediate Scratch Feed.....	Reisterstown
†Master Mix Scratch Feed.....	Lineboro
†Master Mix 36% Turkey Concentrate.....	Cardiff
Meadow Brook Farms, Nazareth, Pa.	
Meadow Brook Farms Brand Superior Dehydrated Alfalfa Meal	Chewsville.....
John B. Medford, Henderson, Md.	
Medford's Laying Mash.....	Henderson.....
Menhaden Fish Meal Co., Baltimore, Md.	
Meat Scrap.....	Baltimore.....
Meat & Bone Scrap.....	Taneytown.....
*Meat & Bone Scrap.....	Chaptico.....
Meat & Bone Scrap.....	Baltimore.....
Pure Ground Fish Meal.....	Mardela Springs
Pure Ground Fish Meal.....	Thurmont.....
Pure Ground Fish Meal.....	Walkersville.....
††60% Digester Tankage.....	Lineboro.....
*Hog-Gro.....	Manchester
*Diamond-Sweet Molasses Meal.....	Thurmont.....
Merchants Milling Co., Hagerstown, Md.	
†Magic Dried Brewers Grains, mixed with Molasses.....	Walkersville.....
†Magic Dried Brewers Grains, mixed with Molasses.....	Lewistown
Magic 20% Dairy.....	Hagerstown
†16% Magic Dairy.....	Hagerstown
†Magic Poultry Mash.....	Hagerstown
†Magic Hog Ration.....	Hagerstown
Magic Scratch Feed.....	Hagerstown
Henry Mesner & Son, Baltimore, Md.	
*†E-Z-Fed Laying Mash, with BM. & Cod Liver Oil.....	Baltimore.....
†Mesner's Special Scratch Feed.....	Baltimore.....
Metcalfe Bros., Chestertown, Md.	
Chester 32% Feed.....	Chestertown.....
Metcalfe's Approved Poultry Mash	Chestertown.....
Leo H. Michael, Buckeystown, Md.	
Michael's Laying Mash.....	Buckeystown.....
*Pig & Hog Meal.....	Buckeystown.....

† Sampled before registration.

* Deficient in protein or fat.

† Deficient in both protein and fat.

Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS	
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND				
8.06	41.00	41.33	.50	1.12	6.50	4.89	15.90	28.70	"	"
7.78	32.00	33.61	3.00	4.28	9.00	6.92	10.75	36.66	"	"
11.91	24.00	27.32	2.50	2.93	8.00	7.52	9.63	40.69	"	"
8.81	40.00	41.46	3.50	4.77	8.00	5.84	19.61	19.51	"	"
7.76	40.00	40.02	3.50	4.25	8.00	5.94	8.95	33.08	"	"
5.68	34.00	34.40	3.50	4.41	8.00	8.04	19.45	28.02	"	"
9.70	30.00	33.96	1.00	.99	8.00	6.94	10.43	37.98	"	"
8.66	32.00	32.03	4.00	4.54	8.00	7.23	20.00	27.54	"	"
11.02	10.00	10.25	2.50	2.75	5.00	4.20	1.85	69.93	"	"
11.20	10.00	10.50	2.50	2.65	5.00	4.20	1.69	69.76	"	"
11.08	10.00	10.25	2.50	2.65	5.00	4.20	1.20	70.62	"	"
7.78	36.00	38.08	4.00	5.05	7.00	7.95	19.80	21.34	A.	
									As declared on label	
6.09	17.00	16.23	2.00	1.91	27.00	27.39	11.25	37.13	"	"
8.33	18.00	21.76	5.00	4.68	8.50	6.85	9.15	49.23	"	"
5.20	55.00	54.41	8.00	8.29	2.00	1.97	31.14		As declared on label	
6.25	50.00	49.49	8.00	9.52	2.00	2.04	32.45	.25	"	"
4.89	50.00	48.71	8.00	11.35	2.00	1.47	32.90	.68	"	"
5.65	45.00	45.63	8.00	9.64	2.00	1.67	33.65	3.76	"	"
6.08	58.00	58.80	6.00	6.51	2.00	.69	19.85	8.07	"	"
5.39	58.00	63.09	6.00	5.98	2.00	.69	19.45	5.40	"	"
5.64	58.00	60.46	6.00	7.07	2.00	.78	19.75	6.30	"	"
6.33	60.00	57.92	6.00	5.18	3.00	1.36	28.95	.26	"	"
5.75	40.00	40.37	5.00	3.94	2.00	4.17	41.60	4.17	"	"
8.39	14.00	12.99	3.00	3.85	8.00	6.70	7.70	60.37	"	"
7.59	18.00	23.95	4.00	5.31	20.00	14.68	3.52	44.96	"	"
8.09	18.00	19.24	4.00	5.38	20.00	16.39	3.65	47.26	B.	"
9.12	20.00	21.94	4.50	4.01	7.50	7.96	6.35	50.62	A.	"
8.72	16.00	23.08	3.00	3.48	12.00	7.75	7.90	49.07	B.	"
8.28	18.00	18.52	4.00	3.95	7.00	6.96	9.88	52.41	As declared on lab.C.	
10.06	20.00	20.80	5.00	4.86	5.00	6.45	6.65	51.18	A.	"
11.20	9.00	10.27	2.50	2.70	5.00	4.30	2.14	69.39	A.	"
7.18	20.00	20.36	4.00	3.43	7.00	7.81	13.40	47.82	As declared on label	
11.01	10.00	10.15	2.50	2.65	5.00	4.20	1.34	70.65	"	"
8.35	32.00	32.04	4.00	5.79	10.00	9.13	8.50	36.19	"	"
8.98	18.00	17.99	4.00	3.99	10.00	7.09	7.55	54.40	"	"
8.66	18.00	19.00	5.00	4.76	12.00	8.43	11.60	47.55	B.	"
8.05	19.00	15.89	4.00	4.34	6.50	5.37	6.54	59.81	B.	"

A—Ingredients on label differ from license.

B—No information on label.

C—Protein guarantee on label differs from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Montana Flour Mills Co., Cleveland, Ohio	
Montco Flour Middlings, with G. S. N. Ex. M. R.....	Hagerstown
The Mt. Airy Milling Co., Mt. Airy, Md.	
Lamore Egg Mash.....	Mt. Airy.....
Husky Growing Mash.....	Mt. Airy.....
Gee Vee Pig & Hog Meal.....	Mt. Airy.....
Winter Wheat Bran, with M. R. S.....	Mt. Airy.....
Winter Wheat Middlings, with M. R. S.....	Westminster.....
Lamore Scratch Feed.....	Mt. Airy.....
Mutual Rendering Co., Inc., Philadelphia, Pa.	
Mureco Meat Scrap.....	Westminster.....
Mureco Meat Scrap.....	Westminster.....
Mureco Meat Scrap.....	Ellicott City.....
Mureco Meat & Bone.....	Cambridge.....
Mureco Meat & Bone.....	Denton.....
Mureco Steamed Bone Meal.....	Cambridge.....
Mureco Fish Meal.....	Cambridge.....
Nebraska Consolidated Mills Co., Omaha, Neb.	
Nebco Wheat Bran (Pure).....	Keymar
The Neumond Co., St. Louis, Mo.	
†Neumond Dried Brewers' Grains.....	Gaithersburg.....
Neumond 28% Corn Distillers Grains.....	Hagerstown.....
Neumond 17% Dehydrated Alfalfa Meal.....	Westminster.....
New Market Manufacturing Co., Charlotte Hall, Md.	
Pure Wheat Bran.....	Charlotte Hall.....
Pure Wheat Middlings.....	Charlotte Hall.....
O. A. Newton & Son Co., Bridgeville, Del.	
"Cedarview" Laying Mash.....	Easton
"Cedarview" Growing Mash.....	Easton
"Cedarview All-Mash" Chick Starter.....	Easton
Norton & Co., Inc., Washington, D. C.	
Bone & Meat Scrap.....	Upper Marlboro
Nulife Laboratories, Baltimore, Md.	
†"Yeast Malt".....	Lineboro.....
Nuttle Milling Co., Denton, Md.	
Ideal Laying Mash, with Cod Liver Oil & BM.....	Denton.....
Ideal Growing Mash, with BM. & Cod Liver Oil.....	Denton.....
Ideal Chick Starter, with BM. & Cod Liver Oil	Denton.....
Ideal Hog Feed.....	Denton.....
Pure Wheat Bran.....	Denton.....
Pure Wheat Middlings.....	Denton.....

† Sampled before registration.

Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
9.44	15.00	17.72	3.00	4.62	5.50	3.77	3.00	61.45	As declared on label
7.28	19.00	20.27	5.50	5.00	8.00	8.38	11.80	47.27	" "
7.40	18.00	17.99	4.00	4.99	7.00	7.11	11.25	51.26	" "
8.61	18.00	18.16	4.00	4.69	7.00	3.89	7.45	57.20	" "
7.63	15.00	14.39	4.00	3.99	10.50	10.24	7.00	56.75	" "
8.50	16.00	15.53	4.00	4.63	6.00	6.59	4.05	60.70	" "
10.90	10.00	10.25	3.00	3.25	4.00	3.30	1.55	70.75	" "
4.96	55.00	56.61	6.00	7.72	2.00	2.02	27.00	1.69	" "
6.01	55.00	55.64	6.00	10.61	2.00	2.04	25.58	.12	" "
6.82	55.00	55.46	6.00	11.63	2.00	1.89	25.70		" "
5.03	50.00	50.72	6.00	9.11	2.00	1.54	32.45	1.15	" "
6.47	45.00	45.28	6.00	9.70	2.00	2.14	36.30	.11	" "
5.67	5.00	6.32	2.00	.60	2.00	.79	85.20	1.42	" "
7.77	55.00	57.39	6.00	7.32	2.00	.47	17.25	9.80	" "
9.90	15.00	16.85	3.50	4.21	11.00	9.29	6.75	53.00	" "
4.15	24.00	30.27	4.50	7.09	18.00	14.12	2.50	41.87	As declared on label
7.60	28.00	27.38	7.00	7.50	15.00	14.40	2.50	40.62	" "
9.84	17.00	19.31	1.50	2.78	23.00	22.15	9.50	36.42	" "
8.04	13.00	14.13	3.50	4.39	8.00	7.51	5.80	60.13	" "
8.19	13.00	14.57	3.50	4.57	5.00	6.19	5.40	61.08	" "
8.97	18.00	18.69	4.00	4.47	7.50	7.44	10.25	50.18	" "
9.45	15.00	16.23	3.50	4.52	7.00	5.01	6.80	57.99	" "
11.32	15.00	16.50	3.00	5.32	5.00	4.43	7.55	54.88	" "
4.71	50.00	50.81	8.00	10.44	2.00	2.49	30.20	1.35	" "
7.48	36.00	43.53	1.00	.94	4.00	6.68	6.50	34.87	" "
8.86	20.00	20.01	5.00	4.64	8.00	6.13	13.85	46.51	As declared on label
7.59	15.00	15.36	4.00	4.95	6.00	5.97	9.25	56.88	" "
7.78	15.00	15.53	4.50	5.02	5.00	4.61	7.90	59.16	" "
7.68	12.00	17.02	5.00	5.32	6.00	3.75	6.70	59.53	" "
7.59	12.00	13.16	3.00	3.49	7.00	8.23	6.10	61.43	" "
9.38	12.00	12.29	2.00	2.40	4.00	2.68	2.50	70.75	" "

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Geo. F. Obrecht Co., Baltimore, Md.	
*Obaco 24% Dairy Feed.....	Baltimore.....
Obaco Laying Mash.....	Baltimore.....
Obaco Growing Mash.....	Baltimore.....
Obaco Pig & Hog Meal.....	Baltimore.....
Obaco Poultry Fattener.....	Baltimore.....
Obaco Scratch Feed.....	Baltimore.....
Old Fort Mills, Inc., Harrisburg, Pa.	
†Soy Bean Oil Meal.....	Frederick.....
†Old Fort Soy Mix.....	Cumberland.....
Old Fort Sweet Soya.....	Cumberland.....
†Old Fort 24% Dairy.....	Cumberland.....
†Old Fort Molasses Mix.....	Cumberland.....
†Old Clock 20% Dairy.....	Cumberland.....
†Old Clock 16½% Dairy Feed.....	Cumberland.....
Old Clock 16% Dairy Feed.....	Hagerstown.....
†Old Clock Egg Mash.....	Hagerstown.....
†Old Fort Lay Mix, with Cod Liver Oil.....	Cumberland.....
†Old Fort Laying Mash.....	Cumberland.....
†Old Fort Growing Mash, with Cod Liver Oil.....	Cumberland.....
†Old Fort Hens Choice.....	Cumberland.....
†Old Fort Pullets Choice, with Cod Liver Oil.....	Cumberland.....
†*Old Fort Special Horse Mix.....	Cumberland.....
†Old Fort Hog Meal Supplement 40%.....	Hagerstown.....
†Old Fort 18% Pig Meal.....	Manchester.....
*Old Fort 18% Pig Meal.....	Hagerstown.....
†Old Fort Chix Mix, with Cod Liver Oil.....	Cumberland.....
†Old Fort Broiler Ration.....	Manchester.....
Old Fort Starter & Grower.....	Cumberland.....
†*Old Fort Chick Starter, with Cod Liver Oil & Milk.....	Hagerstown.....
†Old Fort Chick Scratch.....	Cumberland.....
†Old Fort Intermediate Scratch.....	Cumberland.....
Old Fort Scratch Feed.....	Cumberland.....
†Old Fort Turkey Grower.....	Cumberland.....
†Old Fort Turkey Starter.....	Cumberland.....
Otterdale Milling Co., Taneytown, Md.	
*Pure Wheat Bran.....	Taneytown.....
Pure Wheat Middlings.....	Taneytown.....
Owings Bros., York, Pa.	
June Bug 22% Dairy Feed.....	Jarrettsville.....
June Bug 16% Dairy Feed.....	Jarrettsville.....
June Bug Laying Mash, with Cod Liver Oil.....	Jarrettsville.....
June Bug Growing Mash, with Dried Milk & Cod Liver Oil.....	Jarrettsville.....
June Bug Baby Chick Starter, with Cod Liver Oil.....	Jarrettsville.....
The Park & Pollard Co., Buffalo, N. Y.	
Manamar Life Cycle Mash (A Lay or Bust Feed).....	Walkersville.....
†Park & Pollard All-Mash Growing Feed.....	Walkersville.....
†Park & Pollard Broiler Finishing Mash.....	Walkersville.....
Park & Pollard Chick Starter (A Lay or Bust Feed).....	Walkersville.....

* Deficient in protein or fat.

† Sampled before registration.

Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
9.63	24.00	22.38	4.00	5.35	12.00	12.23	6.74	43.67	As declared on label
9.49	20.00	20.27	4.00	3.99	9.00	7.96	13.25	54.04	A.
8.07	17.00	17.99	4.50	6.09	7.00	6.99	9.60	51.26	I.
8.02	15.00	15.62	3.50	5.55	7.00	9.15	5.05	56.61	As declared on label
9.27	12.50	12.55	4.50	4.39	6.00	4.78	5.46	63.55	B.
10.90	9.00	9.30	2.50	2.70	5.00	3.50	1.55	72.05	C.
8.67	41.00	41.68	5.00	4.63	7.00	6.69	6.00	32.33	As declared on label
8.99	37.00	36.15	4.50	4.44	6.50	6.69	14.65	29.08	" "
9.34	34.00	36.15	4.00	3.99	7.00	7.01	14.45	29.06	" "
12.16	24.00	25.67	4.50	4.51	12.00	10.61	8.42	38.63	" "
10.07	24.00	26.59	3.50	3.99	12.00	12.43	9.97	36.95	D.
10.48	20.00	23.06	3.00	6.10	12.00	14.94	7.31	38.11	D.
11.05	16.50	17.41	3.00	4.17	12.00	17.77	7.25	42.35	D.
11.01	16.00	18.60	3.75	4.00	12.00	11.93	8.32	46.14	D.
8.86	18.00	17.33	4.50	4.62	9.00	7.94	4.15	57.10	As declared on label
8.92	34.00	35.10	4.00	5.18	7.50	9.07	9.50	32.23	D.
7.58	20.00	23.34	4.00	4.74	7.50	9.47	7.80	47.07	E.
9.46	17.00	17.20	4.00	4.01	7.50	6.97	8.75	53.61	As declared on label
8.37	33.00	33.70	4.00	5.24	8.00	9.26	7.65	35.78	" "
8.53	30.00	30.27	4.00	4.89	7.50	9.07	8.10	39.14	" "
12.78	10.00	9.88	4.00	2.97	8.00	7.20	3.85	63.32	" "
9.13	40.00	41.86	4.50	5.52	7.00	5.89	9.70	27.90	D.
9.36	18.00	17.99	3.50	4.69	8.50	7.05	3.55	57.36	As declared on label
11.64	18.00	16.67	3.50	4.48	8.50	6.14	3.96	57.11	" "
9.29	32.00	33.70	4.00	5.38	7.50	9.66	9.35	32.62	D.
7.89	18.00	17.25	4.00	3.95	6.00	7.58	6.45	56.88	B.
10.08	17.00	16.15	4.00	3.59	6.00	7.76	8.01	54.41	As declared on label
9.07	18.50	20.88	4.00	3.31	6.00	6.84	11.05	48.85	" "
10.70	9.00	9.50	3.00	3.25	4.00	2.40	1.50	72.65	D.
11.02	9.00	9.50	3.00	3.40	4.00	2.50	1.25	72.33	F.
10.65	9.00	9.50	3.00	3.15	4.00	3.07	1.20	72.43	G.
9.43	20.00	20.53	4.00	4.22	8.00	7.40	7.95	50.47	As declared on label
7.87	25.00	26.15	4.00	5.05	7.50	7.28	9.55	44.10	" "
7.02	14.00	12.72	3.50	4.29	10.00	8.59	6.40	60.98	" "
7.53	15.00	15.09	3.50	4.07	5.00	3.64	3.80	65.87	" "
7.83	22.00	23.87	4.00	4.43	11.00	8.42	8.90	46.55	" "
9.94	16.00	17.13	3.00	4.13	12.00	11.74	10.04	47.02	" "
7.79	20.00	21.50	3.00	4.11	7.00	6.93	12.20	47.47	" "
8.75	16.00	16.67	3.00	3.73	8.00	7.23	7.95	55.67	" "
8.88	18.00	18.60	3.00	3.44	6.00	5.39	7.80	55.89	" "
6.79	16.00	19.31	3.50	4.28	7.00	7.96	10.50	51.16	" "
6.84	14.50	16.76	4.00	4.39	7.00	8.12	9.11	54.78	" "
8.50	15.00	15.36	4.00	3.99	5.00	4.73	8.90	58.52	H.
7.02	17.00	17.81	3.50	4.41	6.00	5.77	7.45	57.54	As declared on label

A—Also detected Molasses.

B—Unable to detect Linseed Oil Meal.

C—Unable to detect Milo Maize or Kaffir Corn.

D—Ingredients on label differ from license.

E—Also detected Cottonseed Meal.

F—Also detected Oats.

G—Unable to detect Sunflower Seed.

H—Ingredients, Fibre guarantee on label differ from license.

I—Also detected Molasses and Linseed Oil Meal.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
H. G. Payne, Snow Hill, Md.	
Payne's Laying Mash.....	Snow Hill.....
Payne's Starting Mash.....	Snow Hill.....
Pecos Valley Alfalfa Mill Co., Chandler, Ariz.	
Peevee Alfalfa Leaf Meal.....	Princess Anne.....
Velvet Brand Alfalfa Meal.....	Hampstead.....
Alfalfa Meal.....	Hampstead.....
Penick & Ford Ltd., Inc., Cedar Rapids, Iowa	
Douglas Corn Gluten Feed.....	Hagerstown.....
Douglas Corn Gluten Feed.....	Westminster.....
Perkins Oil Co., Memphis, Tenn.	
Golden Rod Cotton Seed Meal.....	Derwood.....
Golden Rod Cotton Seed Meal.....	New Windsor.....
Phoenix Flour Mills, Davenport, Iowa.	
Pure Wheat Bran.....	Pocomoke City.....
Pillsbury Flour Mills Co., Minneapolis, Minn.	
Pillsbury's Wheat Bran, with Ground Wheat Screen. N. Ex. M. R.	Baltimore.....
Pillsbury's Hard Wheat A. Middlings, with Ground Wheat Screen.	
N. Ex. M. R.....	Linwood.....
Pillsbury's Hard Wheat B. Middlings, with Ground Wheat Screen.	
N. Ex. M. R.....	Linwood.....
Pittsburgh Melting Co., Pittsburgh, Pa.	
Steel City Meat & Bone Scrap.....	Grantsville.....
Eureka Digester Tankage.....	Grantsville.....
Potomac Mills, Hancock, Md.	
Pure Wheat Bran.....	Hancock.....
†Pure Wheat Middlings.....	Hancock.....
Pratt Food Co., Buffalo, N. Y.	
Pratts Sweet 32% Dairy Feed.....	Centreville.....
†Utility Sweet 32% Dairy Feed.....	Centreville.....
Pratts Sweet 24% Dairy Feed.....	Centreville.....
Utility Sweet 24% Dairy Feed.....	Centreville.....
Pratts B-P Dairy Feed.....	Ellicott City.....
Pratts Sweet 20% Dairy Feed.....	Centreville.....
Pratts Sweet 16% Dairy Feed.....	Centreville.....
Pratts Sweet 16% Dairy Feed.....	Hagerstown.....
Pratts Cak Cak Egg Mash.....	Elkton.....
Pratts Laying Mash.....	Berwyn.....
†Utility Laying Mash.....	Elkton.....
Pratts Growing Mash.....	Baltimore.....
Pratts C-Ka-Gene Ration.....	Elkton.....
Pratts C-Ka-Gene Ration.....	Hagerstown.....
†Oat Feed.....	Centreville.....
Pratts Sugared Hog Feed.....	Ellicott City.....

† Deficient in both protein and fat.

‡ Sampled before registration.

Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS	
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND				
10.44	19.00	20.88	4.50	4.08	7.00	7.62	14.95	42.03	"	"
10.44	15.00	19.13	4.00	4.08	6.00	7.62	9.40	49.33	"	"
6.15	20.00	20.45	2.50	2.08	18.00	18.95	13.65	38.72	As declared on label	
7.17	17.00	17.20	1.50	1.69	27.00	27.92	11.00	35.02		
6.76	13.00	12.11	1.50	1.08	33.00	34.52	9.00	36.53		
8.77	25.00	27.29	1.50	3.04	8.50	8.70	5.65	46.55	"	"
9.51	25.00	26.24	1.50	1.76	8.50	7.85	6.70	47.94	"	"
7.00	41.00	40.89	5.00	5.94	12.00	10.79	7.45	27.93	"	"
7.51	41.00	41.68	6.00	5.81	10.00	10.65	6.45	27.90	"	"
11.09	16.00	16.58	4.00	4.65	11.00	11.18	7.15	49.35	"	"
7.69	14.50	17.81	3.50	4.53	11.00	10.09	7.70	52.18	"	"
9.15	16.00	18.69	4.00	4.94	6.00	5.36	4.60	57.26	"	"
8.75	15.00	17.72	4.00	5.03	9.50	9.26	5.80	53.44	"	"
7.11	50.00	51.78	5.00	4.95	3.00	2.07	32.45	1.64	"	"
6.12	60.00	59.14	5.00	6.26	3.00	1.89	25.85	.74	"	"
8.02	14.00	15.97	3.50	4.15	10.00	6.63	5.40	59.83	As declared on label	
10.79	14.00	11.85	3.50	2.05	6.00	1.56	1.95	71.80		
9.55	32.00	35.18	4.50	4.58	9.00	6.65	8.49	35.55	"	"
10.30	32.00	33.29	3.50	4.08	9.00	5.98	9.95	36.30	"	"
10.56	24.00	25.98	4.00	3.90	10.00	7.59	7.03	44.94	"	"
10.64	24.00	25.45	4.00	3.74	10.00	8.61	8.60	42.96	"	"
10.56	21.00	22.49	4.00	4.15	10.00	7.45	8.25	47.10	"	"
9.72	20.00	23.59	3.50	3.99	10.00	10.03	7.82	44.85	"	"
7.16	16.00	17.02	3.00	3.30	12.00	10.76	9.10	52.66	"	"
9.18	16.00	19.83	3.00	3.71	12.00	9.91	7.65	49.72	"	"
7.18	18.00	17.99	3.50	4.39	8.00	7.95	8.60	53.89	"	"
7.65	20.00	21.15	3.50	5.26	7.25	6.55	10.50	48.89	"	"
7.32	20.00	20.53	3.50	4.74	8.00	7.81	10.65	48.95	"	"
8.13	17.50	18.08	3.50	4.57	7.00	6.37	9.40	53.45	"	"
7.35	17.00	19.66	3.50	6.37	6.00	5.83	6.15	54.64	"	"
7.70	17.00	18.78	3.50	6.64	6.00	6.16	9.60	51.12	"	"
8.86	5.00	5.70	1.50	1.97	30.00	28.96	5.60	48.91	"	"
8.61	15.00	17.64	4.00	5.27	10.00	10.05	11.70	46.73	"	"

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Pratt Food Co., Buffalo, N. Y. (Continued)	
Pratts Broiler Mash.....	Ellicott City
Pratts Broiler Mash.....	Hagerstown
Pratts Fattening & Fleshing Mash.....	Ellicott City
Pratts Starter & Grower.....	Hagerstown
Pratts Baby Chick Food.....	Sudlersville.....
Pratts Chick Scratch Feed.....	Baltimore.....
Pratts Intermediate Scratch Feed.....	Baltimore.....
Pratts Utility Scratch Feed.....	Baltimore.....
†Pratts Duck Breeder.....	Ellicott City
†Pratts Duck Starter.....	Ellicott City
Pratts Turkey Starter.....	Ellicott City
Pratts Turkey Starter.....	Centreville.....
Pratts Complete Rabbit Pellets.....	Baltimore.....
Princess Anne Milling Co., Princess Anne, Md.	
Pure Wheat Bran.....	Princess Anne
*Pure Wheat Middlings.....	Princess Anne
Prospect Mills, Bel Air, Md.	
Prospect Quality Laying Mash.....	Bel Air.....
The Quaker Oats Co., Chicago, Ill.	
†Quaker Cattle Feed Supplement 32% Protein.....	Hagerstown
Quaker 24% Protein Dairy Ration.....	Upper Marlboro
Quaker 24% Protein Dairy Ration.....	Hagerstown
Quaker 20% Protein Dairy Ration.....	Baltimore.....
Quaker 20% Protein Dairy Ration.....	Upper Marlboro
Quaker 16% Protein Dairy Ration.....	Upper Marlboro
Big Egg Laying Mash.....	Baltimore.....
Ful-O-Pep Egg Breeder Mash.....	Manchester
Ful-O-Pep Egg Breeder Mash.....	Annapolis.....
Ful-O-Pep Growing Mash.....	Salisbury
Buckeye Feed.....	Salisbury
Quaker Green Cross Horse Feed.....	Salisbury
Sugared Vim Oat Mill Feed.....	Germantown
Quaker Sugared Schumacher Feed.....	Baltimore.....
Quaker Pig-N-Hog Feed.....	Salisbury
Ful-O-Pep Broiler Mash.....	Salisbury
Ful-O-Pep Chick Starter.....	Salisbury
Ful-O-Pep Chick Starter.....	Manchester
Ful-O-Pep Coarse Chick Feed.....	Baltimore.....
Ful-O-Pep Fine Chick Feed.....	Annapolis.....
Ful-O-Pep Scratch Grains.....	Annapolis.....
Queen Anne Roller Mill, Queen Anne, Md.	
Queen Anne Poultry Mash.....	Queen Anne.....
Pure Wheat Bran.....	Queen Anne.....
Pure Wheat Middlings.....	Queen Anne.....

† Sampled before registration.

* Deficient in protein or fat.

Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS	
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND				
8.59	18.50	20.62	4.00	3.98	7.00	6.59	8.50	51.72	"	"
8.31	18.50	19.74	4.00	4.31	7.00	6.18	9.82	51.64	"	"
9.03	14.00	15.53	4.50	4.75	10.00	6.22	6.50	57.97	"	"
8.28	17.00	18.95	3.50	3.86	6.50	5.64	9.94	53.33	"	"
7.36	17.00	18.43	3.50	3.57	6.00	4.97	7.45	58.22	"	"
11.20	10.00	10.20	2.00	2.15	4.00	3.20	1.14	72.11	"	"
11.20	10.00	10.08	2.00	2.09	4.00	3.19	1.40	72.05	"	"
11.15	10.00	10.25	2.00	2.15	4.00	3.30	1.10	72.05	"	"
9.25	18.00	20.88	4.00	4.69	6.50	4.69	8.80	51.64	As declared on label	
9.44	20.00	20.27	4.50	4.31	6.00	5.03	8.75	52.20		
8.88	25.00	25.18	4.50	5.16	6.00	5.94	11.22	43.62	"	"
6.53	25.00	26.15	4.50	5.30	6.00	6.00	10.82	45.20	"	"
7.59	14.00	14.65	2.00	2.74	20.00	21.42	8.15	45.46	"	"
8.58	14.00	13.60	3.50	3.67	9.00	9.25	6.00	58.90	"	"
11.54	13.00	12.11	3.50	2.61	10.00	3.65	2.35	67.74	"	"
6.42	18.00	18.87	4.00	4.22	7.00	6.29	7.40	56.80	"	"
7.45	32.00	33.06	4.00	4.05	11.00	8.86	8.60	37.98	"	"
10.35	24.00	24.20	3.75	3.92	12.00	10.89	9.14	41.40	"	"
8.35	24.00	25.02	3.50	3.70	12.00	11.23	8.95	42.75	"	"
9.26	20.00	20.42	4.00	4.52	12.00	11.44	7.77	46.59	"	"
9.51	20.00	20.57	4.00	4.68	12.00	11.81	8.54	44.89	"	"
10.57	16.00	16.81	3.75	3.75	12.00	10.34	7.61	50.92	"	"
7.43	20.00	20.62	4.00	5.04	8.00	7.06	6.65	53.20	"	"
8.47	20.00	21.32	4.50	6.88	8.00	7.19	9.30	46.84	"	"
9.50	20.00	20.14	4.50	6.56	8.00	6.75	9.00	48.05	"	"
8.02	19.00	19.48	5.00	5.81	7.00	7.06	8.70	50.93	"	"
8.21	15.50	16.15	4.50	4.59	10.00	8.25	5.80	57.00	"	"
11.16	10.00	10.37	2.50	2.99	12.00	8.81	6.91	59.76	"	"
9.21	4.50	5.48	1.25	1.39	27.50	26.82	6.34	50.76	"	"
7.32	10.00	11.06	3.00	3.14	12.00	11.48	6.95	60.05	"	"
7.87	16.00	18.60	3.50	4.90	10.00	8.27	9.60	50.76	"	"
8.43	19.00	21.94	4.50	6.12	7.00	6.89	8.75	47.87	"	"
9.33	17.00	18.95	4.50	6.27	7.00	7.03	4.80	53.62	"	"
8.19	17.00	18.69	4.50	5.78	7.00	7.09	7.60	52.65	As declared on label	
10.90	10.00	10.15	2.00	2.20	2.50	2.00	1.16	73.59		
11.05	11.00	11.41	2.50	3.95	2.00	1.93	1.66	70.00	"	"
10.60	9.00	9.30	2.00	2.50	3.00	2.40	1.56	73.64	"	"
11.69	19.00	18.95	5.00	4.95	7.00	7.64	6.60	50.17	"	"
7.75	14.00	13.25	3.00	3.68	9.00	10.88	6.95	57.49	"	"
10.35	13.00	12.64	3.00	3.04	6.00	3.37	2.80	67.80	"	"

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Ralston Purina Co., St. Louis, Mo.	
Purina Cow Chow 34%.....	Rising Sun.....
Purina Cow Chow 34%.....	Frederick.....
Purina 32% Chowder.....	Salisbury.....
Purina Cow Chow 24%.....	Rising Sun.....
Purina Cow Chow 24%.....	Hyattsville.....
Purina Milk Chow (For Dairy Cows).....	Hyattsville.....
Protena 16% Dairy Feed (Buffalo Mill).....	Ellicott City.....
Purina Dry & Freshing Chow.....	Salisbury.....
Chowmix Laying Mash "B".....	Emmitsburg.....
Chowmix Laying Mash "B".....	Monrovia.....
Chowmix Laying Mash "B".....	Hagerstown.....
Purina Lay Chow.....	Laurel.....
Purina Layena (Complete Ration).....	Laurel.....
Purina Steer Fatena.....	Hampstead.....
Purina Hog Chow Supplement.....	Hampstead.....
Purina Sow & Pig Chow Supplement.....	Easton.....
Chowmix Hog Feed.....	Monrovia.....
Chowmix Hog Feed.....	Elkton.....
Chowmix Hog Feed.....	Emmitsburg.....
Chowmix Hog Feed.....	Hagerstown.....
Chowmix Hog Feed.....	Easton.....
Purina Calf Startena.....	Taneytown.....
Purina Broiler Chow.....	Salisbury.....
Purina Broiler Chow.....	Laurel.....
Purina Family Flock Chow.....	Salisbury.....
Purina Family Flock Chow.....	Hyattsville.....
Purina Chick Growena.....	Frederick.....
Purina Chick Startena.....	Laurel.....
Purina Chick Startena.....	Ellicott City.....
Purina Turkey Startena.....	Mt. Lake Park.....
Red Lion Mill, Millington, Md.	
†Red Lion Mill Laying Mash.....	Millington.....
‡*Red Lion Mill Starting Mash.....	Millington.....
A. F. Rees, Inc., Hanover, Pa.	
Rees Meat & Bone Scrap.....	Frederick.....
The Reindollar Co., Taneytown, Md.	
20% Dairy Ration.....	Taneytown.....
Egg Mash, with Cod Liver Oil.....	Taneytown.....
Egg Mash.....	Taneytown.....
Growing Mash.....	Taneytown.....
Pure Winter Wheat Bran.....	Taneytown.....
Winter Wheat Middlings, M. R. S.....	Taneytown.....
32% Hi-Concentrate.....	Taneytown.....
Pig & Hog Meal.....	Taneytown.....
Starting Mash.....	Taneytown.....
Scratch Grains.....	Taneytown.....

* Deficient in protein or fat.

‡ Sampled before registration.

Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS	
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND				
8.88	34.00	35.14	4.00	4.61	11.00	7.61	10.52	33.24	"	"
9.55	34.00	35.09	4.00	5.12	11.00	7.46	9.97	32.81	"	"
6.52	32.00	33.08	3.50	6.77	9.00	8.36	4.30	40.97	"	"
9.52	24.00	25.10	4.00	5.07	11.00	6.70	8.05	45.56	"	"
10.10	24.00	26.34	4.00	4.91	11.00	8.43	7.49	42.73	"	"
10.65	18.00	20.36	4.00	4.09	10.00	6.89	7.50	50.51	"	"
9.42	16.00	19.40	3.50	3.66	14.00	10.34	9.97	47.21	"	"
10.88	12.50	14.22	2.50	2.37	14.00	12.27	10.68	49.58	"	"
7.68	18.00	17.99	3.50	3.88	8.00	5.06	6.90	58.49	"	"
7.77	18.00	18.60	3.50	4.62	8.00	5.98	6.20	56.84	"	"
8.63	18.00	22.03	3.50	4.31	8.00	5.14	9.80	50.09	"	"
8.08	21.00	22.46	4.00	5.71	8.00	7.47	10.90	45.38	"	"
9.37	15.50	18.08	3.50	5.03	8.00	6.07	8.86	52.59	"	"
9.49	23.00	24.91	3.20	4.23	8.50	7.09	10.35	43.93	"	"
7.19	36.00	39.93	3.00	4.59	14.00	10.50	13.35	24.44	"	"
10.48	26.00	25.10	3.50	4.33	7.00	6.92	7.86	45.31	"	"
9.65	14.00	14.39	3.50	6.24	7.00	7.36	3.15	59.21	"	"
8.09	14.00	19.31	3.50	4.51	7.00	7.45	4.85	55.79	A. As declared on label 1	
10.16	14.00	13.34	3.50	3.94	7.00	4.33	4.70	63.53		
10.79	14.00	13.28	3.50	4.32	7.00	3.46	3.00	65.15	"	"
10.89	14.00	13.51	3.50	4.03	7.00	3.85	3.30	64.42	"	"
10.36	19.50	19.55	3.00	3.05	9.50	9.03	7.39	50.62	"	"
7.46	18.00	20.88	3.50	4.62	7.00	6.96	7.25	52.83	"	"
8.93	18.00	21.67	4.00	4.91	7.00	6.76	6.85	50.88	"	"
8.50	18.00	18.69	3.50	4.53	8.00	7.05	11.25	49.98	"	"
8.85	18.00	18.43	3.50	4.48	8.00	7.28	11.72	49.24	"	"
8.99	15.00	17.11	3.50	4.49	7.00	6.20	6.40	56.81	"	"
8.55	18.00	20.88	4.00	4.94	7.00	5.79	6.88	52.96	"	"
8.66	18.00	19.66	4.00	4.81	7.00	5.06	6.76	55.05	"	"
7.66	24.00	25.97	4.50	4.81	7.00	5.92	7.40	48.24	"	"
8.87	20.00	19.31	4.00	3.58	9.00	8.05	8.05	52.14	"	"
10.01	17.00	16.67	4.00	3.22	5.00	5.74	8.30	56.06	"	"
7.20	50.00	51.78	10.00	13.62	2.25	2.35	24.85	.20	"	"
8.14	20.00	21.94	4.00	4.10	12.50	9.58	8.75	47.49	As declared on label	
8.07	18.00	18.08	4.50	4.98	8.00	5.82	8.25	54.80		
8.12	20.00	20.53	4.00	4.27	8.00	6.12	10.90	50.06	"	"
8.29	16.50	17.20	4.50	4.84	7.00	5.93	10.96	52.78	"	"
10.16	14.00	14.57	4.00	4.42	9.00	8.37	6.70	55.78	"	"
8.99	16.00	15.62	4.50	4.37	5.00	4.78	3.55	52.69	"	"
8.16	32.00	32.56	4.00	4.79	12.00	10.10	7.70	36.69	"	"
8.23	16.50	16.85	4.50	4.77	7.00	5.53	9.00	55.62	"	"
7.78	16.00	17.02	4.50	4.89	6.00	4.54	8.47	57.30	"	"
11.02	9.00	9.65	2.00	2.45	5.00	4.35	1.20	71.33	"	"

A—No information on label.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
The Richards Milling Co., Cortland, Ohio	
*Richards Cash Dairy Feed.....	Cumberland
*Richards 16% Dairy Feed.....	Friendsville
Richards Cash Laying.....	Friendsville
Richards Thrift Growing Mash.....	Friendsville
Richards Horse Feed.....	Cumberland
*Richards Special Chop.....	Cumberland
Fancy Winter Wheat Middlings.....	Grantsville
Richards Starting Mash.....	Friendsville
Richards Thrift Baby Chick Feed.....	Friendsville
Cortland Scratch Grains.....	Grantsville
Richardson Bros., Westminster, Md.	
Richardson's Honey Boy 24% Dairy.....	Westminster
Richardson's Honey Boy Laying Mash, with Milk, Cod Liver Oil and Dr. Hess Panamin.....	Westminster
Richardson's Honey Boy Laying Mash, with Milk, Cod Liver Oil and Dr. Hess Panamin.....	Westminster
Richardson's Honey Boy Growing Mash.....	Westminster
Richardson's Honey Boy Horse Feed.....	Westminster
*Richardson's Honey Boy Hog Supplement.....	Westminster
Richardson's Honey Boy Pig & Hog Meal.....	Westminster
Richardson's Honey Boy Chick Starter.....	Westminster
Daniel Rider, Baltimore, Md.	
‡Winner Horse Feed.....	Baltimore
Harry H. Rieck, Preston, Md.	
Lone Maple Tree Broiler Mash.....	Preston
Rinaman & Brown, Hampstead, Md.	
Brown's Egg Mash.....	Hampstead
Brown's Chick Starter.....	Hampstead
Roanoke City Mills, Inc., Roanoke, Va.	
‡Big Boss Pure Wheat Bran.....	Maugansville
Robinson Bros., Cardiff, Md.	
*Robinson's 32% Dairy Ration.....	Darlington
Robinson's 24% Dairy Ration.....	Cardiff
Robinson's 20% Dairy Ration.....	Darlington
*Robinson's Egg Mash.....	Cardiff
Rodney Milling Co., Kansas City, Mo.	
Heart of America Pure Wheat Bran.....	Maugansville
Heart of America Pure Wheat Bran.....	Baltimore
W. D. Roe & Son, Sudlersville, Md.	
Roe's Milkmore 24%.....	Sudlersville
Roe's Lay More Mash.....	Sudlersville
‡Roe's Starting & Growing Mash.....	Sudlersville
Roe's Starting & Growing Mash.....	Sudlersville

* Deficient in protein or fat.

‡ Sampled before registration.

Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
11.12	24.00	24.61	4.00	2.83	11.00	8.82	8.88	43.74	A. As declared on lab.B. " " " " " " " " " " " " " " " "
11.18	16.00	18.48	4.00	2.76	12.00	8.60	8.05	50.93	
8.79	20.00	21.41	3.00	4.28	8.00	8.35	7.60	49.57	
9.44	18.00	19.48	3.00	3.98	8.00	8.27	8.88	49.95	
10.38	9.00	9.06	3.00	4.10	10.00	5.82	4.12	66.52	
9.61	8.00	8.07	3.00	1.71	12.00	9.77	7.40	63.44	
9.39	13.50	14.30	2.50	3.15	10.00	3.69	3.35	66.12	
9.14	18.00	18.52	3.00	3.59	7.50	4.85	10.40	53.50	
11.05	9.00	9.35	2.50	2.65	5.00	5.25	1.15	70.55	
11.80	9.00	10.11	2.50	2.89	5.00	2.18	1.75	71.27	
10.71	24.00	24.41	4.00	4.51	8.00	8.02	8.00	44.35	As declared on label "
8.03	20.00	19.92	4.00	4.00	8.00	7.84	10.70	49.51	
7.77	20.00	20.62	4.00	3.93	8.00	7.39	10.65	49.64	
8.68	16.00	15.97	4.00	4.09	7.00	6.69	4.80	59.77	
11.61	10.00	9.73	3.00	4.12	7.00	6.77	3.29	64.48	
10.00	40.00	37.73	4.00	6.24	6.00	5.39	17.27	23.37	
11.54	16.00	16.40	3.50	4.04	6.50	6.58	7.54	53.90	
9.87	17.00	17.00	4.00	3.95	7.00	6.00	6.15	57.03	
9.41	9.00	9.58	2.00	3.17	9.00	7.72	3.20	66.92	
8.70	16.00	16.85	3.00	3.99	7.00	6.79	8.35	55.32	
9.23	18.00	20.62	4.00	4.55	6.00	6.44	8.15	51.01	
7.61	18.00	17.99	4.00	4.96	6.00	5.54	6.66	57.24	
10.01	14.00	13.78	4.00	4.12	9.50	9.53	6.60	55.96	C. As declared on label "
8.86	32.00	32.57	4.00	2.98	9.50	7.62	8.06	39.91	
9.68	24.00	25.40	4.00	3.67	11.00	9.43	7.32	44.50	
10.11	20.00	20.43	4.00	3.52	11.00	10.01	7.25	48.68	
8.07	20.00	18.21	4.00	3.89	8.00	7.53	8.05	54.25	
8.23	16.50	16.94	3.50	4.29	12.00	10.57	7.50	52.47	
7.42	16.50	17.11	3.50	4.23	10.00	10.64	8.15	52.45	
7.36	24.00	25.10	4.00	3.73	11.00	10.66	8.42	44.73	
8.20	18.00	17.99	4.75	4.83	9.25	7.62	9.05	52.31	
7.13	17.50	18.25	4.00	3.62	5.25	5.57	8.19	57.24	
9.29	17.50	17.46	4.00	3.59	5.25	4.93	8.95	55.78	

A—Ingredients on label differ from license.

B—Fat guarantee on label differ from license.

C—Also detected small amount of Screenings.

D—Fibre guarantee on label differs from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Stuart Roser, Parkton, Md.	
Pure Wheat Bran.....	Parkton.....
*Pure Wheat Middlings.....	Parkton.....
*Pure Buckwheat Middlings.....	Parkton.....
C. E. Routzahn, Breathedsville, Md.	
Routzahn's Dairy Feed.....	Breathedsville.....
Routzahn's Laying Mash.....	Breathedsville.....
Routzahn's Hog Feed.....	Breathedsville.....
*Pure Soft Winter Wheat Bran.....	Breathedsville.....
*Pure Soft Winter Wheat Middlings.....	Breathedsville.....
Rowlandville Flour Mills, Rowlandville, Md.	
Corn & Re-Ground Oats Feed.....	Rowlandville.....
Russell-Miller Milling Co., Minneapolis, Minn.	
Hard Wheat Occident Flour Middlings.....	Hampstead.....
Alta Hard Wheat Middlings.....	Westminster.....
St. Michaels Milling Co., St. Michaels, Md.	
Quillin's Laying Mash.....	St. Michaels.....
Quillin's Growing Mash.....	St. Michaels.....
Pig & Hog Meal.....	St. Michaels.....
Pure Wheat Bran.....	St. Michaels.....
Pure Wheat Middlings.....	St. Michaels.....
Quillin's Scratch Feed.....	St. Michaels.....
Quillin's Turkey Starter, with Cod Liver Oil.....	St. Michaels.....
Saunders Mills, Inc., Toledo, Ohio	
*Carotene Brand Poultry Meal Dehydrated Alfalfa Meal.....	Hagerstown.....
Alfalfa Meal.....	Hagerstown.....
Wm. G. Scarlett & Co., Baltimore, Md.	
Oriole Brand Four Grain Racing Pigeon Feed.....	Baltimore.....
Oriole Brand AAA. Pigeon Feed.....	Baltimore.....
Oriole Brand AA. Pigeon Feed.....	Baltimore.....
Oriole Brand Special Pigeon Feed.....	Baltimore.....
Jos. Schlitz Brewing Co., Milwaukee, Wis.	
Schlitz Purity Brewers Dried Grains.....	Sykesville.....
The Wm. Schluderberg-T. J. Kurdle Co., Baltimore, Md.	
Esskay Quality Meat & Bone Scrap.....	Mt. Airy.....
Esskay Quality Meat & Bone Scrap.....	Snow Hill.....
Esskay Quality Soluble Blood.....	Frederick.....
Esskay Quality Soluble Blood.....	Baltimore.....
Esskay Quality Digester Tankage.....	Frederick.....
Sea Board Supply Co., Inc., Philadelphia, Pa.	
Sea Board Fish Meal.....	Snow Hill.....
†Sea Board Crab Meal.....	Breathedsville.....

* Deficient in protein or fat.

† Sampled before registration.

Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
8.31	13.00	15.09	3.00	4.23	8.00	8.62	7.90	55.85	" "
9.89	13.00	13.86	4.00	2.92	6.00	2.68	2.65	68.00	
10.63	24.00	19.13	7.00	3.42	6.00	9.37	4.30	53.15	
									B.
8.67	16.00	16.06	4.00	4.54	6.00	7.60	6.70	56.43	C. As declared on label
8.25	18.00	17.03	4.00	4.01	7.00	6.69	14.16	49.86	
8.15	17.00	16.94	4.00	4.38	5.00	3.63	8.45	58.45	
10.10	15.00	13.95	4.00	4.04	8.00	8.55	6.06	57.30	
10.11	15.00	13.34	3.00	3.12	3.00	2.69	2.74	68.00	
6.94	9.00	9.13	3.00	2.72	11.00	13.45	3.75	64.01	As declared on label
8.46	15.50	19.31	4.00	4.63	5.00	3.75	3.05	60.80	" "
8.24	15.00	16.85	4.50	4.63	8.50	8.54	4.30	57.44	" "
7.23	20.00	21.15	5.00	4.90	7.00	6.36	10.95	49.41	" "
7.66	16.00	17.64	4.00	4.83	6.00	5.73	7.70	56.44	" "
9.31	15.00	16.50	4.50	4.27	6.00	4.33	6.35	59.24	" "
7.62	14.00	13.43	4.00	4.24	11.00	11.30	8.05	55.36	" "
10.09	14.00	13.95	4.00	4.31	6.00	3.92	4.05	63.68	" "
11.20	9.00	9.20	3.00	3.15	4.00	3.10	1.50	71.85	" "
8.19	22.00	22.55	4.50	5.45	7.00	6.62	11.10	46.09	" "
7.01	17.00	13.08	1.50	1.65	27.00	35.82	7.55	34.89	" "
7.15	13.00	12.72	1.50	1.47	33.00	32.65	8.05	37.96	" "
10.54	15.00	16.01	3.00	3.33	5.00	3.50	2.79	63.83	" "
9.43	16.00	16.18	3.00	3.36	4.00	3.80	2.05	65.18	" "
9.87	13.00	13.43	3.50	4.10	4.00	3.96	2.38	66.26	" "
9.30	16.00	16.27	3.00	3.19	4.00	3.84	1.96	65.44	" "
6.40	24.00	29.40	5.00	5.30	20.00	16.56	3.56	38.78	" "
6.06	50.00	51.60	6.00	8.62	5.00	1.41	33.05		As declared on label
5.35	50.00	53.53	6.00	9.32	5.00	1.11	30.35	.34	
6.09	83.00	88.63	.50	.20	5.00	.77	3.62	.69	
5.33	83.00	89.86	.50	1.07	5.00	.63	3.30		
6.02	60.00	61.78	8.00	9.39	5.00	1.41	23.05		
7.18	55.00	56.16	5.00	6.89	3.00	1.42	23.15	5.20	" "
5.01	32.00	35.72	1.00	2.94	8.00	10.53	37.40	8.40	" "

B—Also detected Oat Hulls, Ground Oats, Barley, Corn and Wheat Bran.
C—Fibre and Ingredients on label differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Joseph E. Seagram & Sons, Inc., Louisville, Ky. Seagram's Corn Distillers Dried Grains.....	Elkton.....
Charles H. Seward, Raspeburg, Md. Golden Glow Laying Mash..... Golden Glow Starting Mash..... Sewards Superior Scratch Grains.....	Raspeburg..... Raspeburg..... Raspeburg.....
W. O. Shank, Waynesboro, Pa. ‡Mixed Grains for Poultry.....	Boonsboro.....
Sherwin Williams Co., Cleveland, Ohio Sherwin Williams Pure O. P. 34% Linseed Meal.....	Gaithersburg.....
Howard R. Shockley, Goldsboro, Md. *Goldsboro Home Mixed Mash.....	Goldsboro.....
M. L. Shoemaker, Philadelphia, Pa. Shoemaker's "Swift-Sure" Ground Meat & Bone Scrap for Poultry	Salisbury.....
Sinton Bros. & Co., Baltimore, Md. Guilford Scratch Feed.....	Baltimore.....
D. P. Smelser & Son, New Windsor, Md. Smelser's Bran..... ‡Smelser's Middlings.....	New Windsor..... New Windsor.....
H. Ray Smith, Doubs, Md. Lo-Cost Laying Mash..... Lo-Cost Growing Mash..... Lo-Cost Pig Meal..... Pure Wheat Bran..... Pure Wheat Middlings..... *Lo-Cost Chick Starter.....	Doubs..... Doubs..... Doubs..... Doubs..... Doubs..... Doubs.....
Smithville Flour & Feed Mill, Federalsburg, Md. Lydens Laying Mash..... Lydens Special Pig & Hog Meal..... Pure Wheat Bran..... Pure Wheat Middlings.....	Federalsburg..... Federalsburg..... Federalsburg..... Federalsburg.....
Southern States Cooperative Mills, Inc., Baltimore, Md. 32% Supplemental Dairy Feed..... 32% Supplemental Dairy Feed..... 24% Dairy..... Milk Maker..... 20% Dairy..... Exchange Dairy..... 16% Dairy..... Market Laying Mash..... Laying Mash Supplement..... Laying Mash, with Alfalfa Meal (Pelleted).....	Cardiff..... Hagerstown..... Mt. Airy..... Hagerstown..... Cardiff..... Gaithersburg..... Westminster..... Denton..... Denton..... Hagerstown.....

* Deficient in protein or fat.

‡ Sampled before registration.

† Deficient in both protein and fat.

Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS	
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND				
7.02	28.00	28.70	9.00	11.27	14.00	10.47	4.00	38.54	"	" A.
8.34	20.00	21.15	4.00	4.78	7.00	5.82	9.30	50.61	"	" A.
8.66	15.00	20.44	5.00	4.52	5.00	4.82	7.45	54.11	"	" B.
10.90	10.00	10.40	2.50	2.80	5.00	4.20	1.50	70.20	"	" B.
10.80	9.00	9.20	3.50	3.60	7.00	2.35	1.75	72.30	"	"
7.15	34.00	36.24	4.50	5.61	9.00	8.26	5.60	37.14	"	" C.
8.43	20.00	21.59	4.50	3.80	8.00	8.37	11.20	46.61	"	"
6.19	50.00	49.93	6.00	10.32	3.00	1.61	31.90	.05	As declared on label	
10.90	9.00	9.60	2.50	3.02	4.00	2.50	1.40	72.58	D.	
7.01	15.41	14.83	4.30	4.77	9.08	6.84	5.55	61.00	As declared on label	
8.13	15.40	12.99	3.45	2.83	3.78	2.61	2.40	71.04	"	"
8.68	16.50	16.50	4.50	4.31	7.00	7.39	8.16	54.96	"	"
8.14	16.50	17.29	4.00	4.51	7.00	5.96	9.90	54.20	"	"
8.68	14.00	14.39	4.00	3.71	7.00	3.83	4.05	65.34	E.	
10.99	13.00	14.92	3.00	4.34	10.00	10.72	6.50	52.5	As declared on label	
11.15	13.00	13.42	3.00	3.41	6.00	2.69	2.54	66.79	"	"
8.52	15.00	16.50	5.00	4.36	5.50	4.58	8.94	57.10	"	"
8.39	19.00	19.13	4.00	4.14	6.50	5.50	5.10	57.74	"	"
8.65	15.00	17.34	3.50	3.11	6.50	5.75	8.25	56.90	"	"
8.87	12.00	12.81	3.00	3.06	10.00	5.71	7.40	62.15	"	"
9.52	12.00	12.90	3.00	3.28	6.00	3.30	4.25	66.75	"	"
9.92	32.00	33.33	4.00	4.77	10.00	7.47	8.26	36.25	As declared on label	
8.46	32.00	34.53	4.00	4.78	10.00	7.72	8.26	36.25	"	"
9.28	24.00	24.21	2.50	4.12	12.00	12.18	7.04	43.17	"	"
9.35	24.00	26.52	4.00	4.82	10.00	8.24	7.24	43.83	"	"
10.90	20.00	21.70	2.50	3.35	12.00	10.78	6.63	46.64	"	"
9.20	20.00	22.82	4.00	4.52	10.00	7.30	7.15	49.01	"	"
11.45	16.00	19.45	2.50	3.03	12.00	11.02	7.06	47.99	"	"
7.72	20.00	21.24	4.00	4.87	7.00	5.49	11.15	49.53	"	"
5.11	32.00	32.29	4.00	5.79	7.50	6.88	22.80	27.13	"	"
8.89	20.00	21.59	4.00	4.29	7.00	6.10	8.40	50.73	"	"

A—Fat guarantee on label differs from license.

B—Ingredients and fat guarantee on label differ from license.

C—Acid Insoluble Ash 0.49.

D—Unable to detect Barley and Sunflower Seed.

E—Unable to detect Molasses.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Southern States Cooperative Mills, Inc., Baltimore, Md. (Cont.)	
Laying Mash, with Alfalfa Meal.....	Laurel.....
Super Laying & Breeding Mash.....	Westminster.....
Growing Mash (Pelleted).....	Hagerstown.....
Supplemental Hog Feed.....	Hagerstown.....
Hog Feed.....	Hagerstown.....
Calf Starter.....	Cardiff.....
Broiler Mash.....	Denton.....
Fitting Ration.....	Gaithersburg.....
Starting & Growing Mash.....	Hagerstown.....
Starting & Growing Mash (Pelleted).....	Hagerstown.....
Chick & Broiler Mash.....	Denton.....
Springfield Roller Mills, Sykesville, Md.	
Hering's Dairy Feed 24%.....	Sykesville.....
Hering's Dairy Feed 16%.....	Sykesville.....
*Hering's Laying Mash.....	Sykesville.....
Hering's Growing Mash.....	Sykesville.....
Hering's Pig Meal.....	Sykesville.....
Pure Wheat Bran.....	Sykesville.....
Pure Wheat Middlings.....	Sykesville.....
Hering's Chick Starter.....	Sykesville.....
Hering's Scratch Feed.....	Sykesville.....
A. E. Staley Manufacturing Co., Decatur, Ill.	
Staley's Corn Gluten Feed.....	Baltimore.....
Staley's Corn Gluten Feed.....	Hagerstown.....
Standard Milling Co., Chicago, Ill.	
Red Turkey Pure Wheat Bran.....	Hampstead.....
W. E. Stanton, Grantsville, Md.	
Stanton's Egg Mash.....	Grantsville.....
E. Steen & Bro., Baltimore, Md.	
Lady Maryland Dairy Feed.....	Baltimore.....
Little Boy Blue Dairy Feed.....	Baltimore.....
Golden Goose Laying Mash, with BM.....	Baltimore.....
Spring Garden Egg Mash.....	Baltimore.....
Golden Goose Growing Mash, with BM.....	Baltimore.....
Sweet Feed.....	Bel Air.....
Sweet Feed.....	Medford.....
Sweet Feed.....	Baltimore.....
Golden Goose Fancy Chick Starter.....	Baltimore.....
Golden Goose Fancy Chick Starter, with BM. & Cod Liver Oil.....	Baltimore.....
Golden Goose Scratch Feed.....	Baltimore.....
D. A. Stickell & Sons, Inc., Hagerstown, Md.	
Su-Pur Sweet 32% Mixing Ration.....	Big Spring.....
Dairy Queen Sweet 20% Milk Maker.....	Manchester.....
Zip Sweet 16% Dairy Feed.....	Glyndon.....
†Blue Ridge Egg Mash.....	Reid.....

* Deficient in protein or fat.

† Sampled before registration.

Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS	
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND				
8.18	20.00	20.53	4.00	5.23	7.00	5.75	8.96	51.35	"	"
7.35	19.50	20.53	4.00	4.21	7.00	6.28	10.45	51.18	"	"
8.84	17.50	21.06	4.00	4.12	6.50	6.13	8.15	51.70	"	"
8.61	40.00	43.85	5.50	5.57	6.50	6.29	13.16	22.52	"	"
8.22	14.00	14.92	3.50	4.65	6.00	6.12	6.66	59.43	"	"
8.06	18.00	18.52	3.00	4.19	4.00	3.51	5.90	59.82	"	"
7.79	18.00	19.64	4.00	4.32	6.50	6.23	8.80	53.22	"	"
11.51	13.00	14.67	3.00	3.70	8.50	7.75	6.26	56.11	"	"
8.67	17.50	18.87	4.00	4.44	6.50	6.21	8.36	53.45	"	"
8.56	17.50	18.95	4.00	4.49	6.50	6.41	8.49	53.10	"	"
7.66	17.50	19.48	4.00	4.54	6.50	6.57	9.25	52.50	"	"
8.72	24.00	25.33	4.00	4.39	8.50	8.61	10.52	42.43	As declared on label	
10.34	16.00	16.11	3.50	4.23	9.50	7.61	6.88	54.83		
8.47	20.00	19.42	5.00	4.44	7.00	6.30	11.30	50.07	"	"
8.09	18.00	17.72	4.50	4.56	6.00	7.29	8.83	53.51	"	"
9.10	18.00	18.70	3.50	3.77	5.00	6.00	7.85	54.58	"	"
12.34	13.00	13.86	3.00	4.12	9.00	9.06	6.05	54.57	"	"
9.85	12.00	13.16	3.00	3.39	4.00	2.84	2.16	68.60	"	"
7.49	17.00	16.76	4.50	4.70	5.50	7.82	5.28	57.95	"	"
10.75	9.00	9.39	2.50	2.65	5.00	4.20	1.76	71.25	"	"
10.79	25.00	28.52	1.50	3.25	8.00	7.78	8.50	41.16	"	"
9.43	25.00	25.62	1.50	2.44	8.00	7.43	8.14	46.94	"	"
7.47	15.00	16.76	3.50	4.39	10.00	11.47	7.09	52.82	"	"
7.50	20.00	20.80	4.00	3.98	7.00	6.85	10.15	50.72	"	" A.
8.01	24.00	26.15	4.00	4.51	9.00	9.59	7.29	44.45	"	"
9.22	16.00	19.62	3.50	3.51	13.00	9.59	7.52	50.54	"	"
7.96	20.00	23.43	4.00	5.39	9.00	6.03	10.35	46.84	"	"
8.34	18.00	21.41	4.00	4.90	10.00	5.89	10.75	48.71	B.	
8.23	18.00	19.83	4.00	4.52	8.50	5.28	9.36	52.78		
12.84	9.00	10.74	2.00	2.40	15.00	7.86	6.57	59.59	C.	
11.71	9.00	11.20	2.00	2.30	15.00	9.45	6.12	59.22		
9.90	9.00	10.38	2.00	2.10	15.00	8.62	6.56	62.44	As declared on label	
9.03	18.00	17.11	4.00	3.67	6.00	7.48	9.60	43.11		
9.05	14.00	15.62	4.00	4.69	6.00	6.08	8.40	56.16	As declared on label	
11.35	9.00	8.69	2.50	2.45	5.00	1.79	1.50	74.22		
9.82	32.00	32.90	4.50	4.71	10.00	7.77	8.25	36.55	"	"
11.28	20.00	23.10	3.50	4.60	10.00	6.90	7.15	46.97	"	"
11.01	16.00	18.02	3.00	3.86	12.00	6.30	8.50	52.31	"	"
8.19	20.00	21.76	5.00	4.58	6.00	5.88	9.04	50.55	"	"

A—Fibre guarantee on label differs from license.

B—Also detected Linseed Oil Meal and Corn Gluten Meal.

C—Also detected Soybean Oil Meal.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
D. A. Stickell & Sons, Inc., Hagerstown, Md. (Continued)	
Su-Pur Horse & Calf Feed.....	Cockeysville.....
†Al-Fal Molass.....	Berlin.....
Victor Horse & Mule Feed.....	Big Spring.....
Su-Pur 36% Pig & Hog Supplement.....	Reid.....
Blue Ridge Pig & Hog Ration.....	Glyndon.....
Blue Ridge Broiler Mash.....	Salisbury.....
*Blue Ridge Broiler Mash.....	Salisbury.....
Su-Pur Broiler Mash.....	Cockeysville.....
Su-Pur Coccidiosis Flushing Mash.....	Salisbury.....
Su-Pur All Mash Chick Starter.....	Glyndon.....
Victor Chick Feed.....	Salisbury.....
Victor Scratch Grains.....	Salisbury.....
F. W. Stock & Sons, Hillsdale, Mich.	
*Stock's Wheat Bran.....	Frederick.....
The Chas. M. Struven Co., Baltimore, Md.	
Struven's Fish Meal.....	Ingleside.....
Struven's Fish Meal.....	Gaithersburg.....
Sunny Slope Farms, Nazareth, Pa.	
†Sunny Slope Farms Alfalfa Meal.....	Hagerstown.....
*†Sunny Slope Farms Alfalfa Meal.....	Berlin.....
Swift & Co., Newark, N. J.	
Swift's Fifty-Five Meat Scraps.....	Berlin.....
Swift's Laymore Meat & Bone Scraps.....	Berlin.....
Swift & Co. (Oil Mills), Atlanta, Ga.	
41% Cotton Bloom Cottonseed Meal.....	Keymar.....
Taneytown Grain & Supply Co., Taneytown, Md.	
Taney Laying Mash.....	Taneytown.....
Taney Pig & Hog Feed.....	Taneytown.....
Thomas & Co., Gaithersburg, Md.	
"Excelsior Dairy Feed".....	Gaithersburg.....
"Economy" Dairy Feed.....	Gaithersburg.....
"Makan-Eg" Egg Mash.....	Gaithersburg.....
"Gro-Quick" Growing Mash.....	Gaithersburg.....
"Solvita" Starting Mash.....	Gaithersburg.....
Thomas Supply Co., Adamstown, Md.	
*Thomas 32% Dairy Feed.....	Adamstown.....
Thomas 24% Mormilk.....	Adamstown.....
Thomas 16% Milk Maker.....	Adamstown.....
W. B. Thompson & Son, Waynesboro, Pa.	
Thompson Chick Starter & Grower.....	Emmitsburg.....

* Deficient in portein or fat.

† Sampled before registration.

Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
8.44	9.00	9.35	2.50	3.36	12.00	6.83	3.13	68.89	As declared on label
11.47	7.00	11.44	.50	1.88	20.00	24.58	7.38	43.24	" "
11.90	6.00	9.21	2.00	2.05	12.00	7.31	4.48	65.05	" "
8.41	36.00	35.62	3.50	4.40	10.00	8.07	12.47	31.03	" "
8.37	17.00	18.69	3.00	4.17	6.00	5.85	11.10	51.82	" "
8.72	18.00	19.04	4.00	3.61	5.50	5.27	7.95	55.41	" "
9.46	18.00	18.95	4.00	3.05	5.50	5.48	8.25	54.81	" "
7.17	18.00	18.96	3.50	4.01	6.00	5.65	8.65	55.56	" "
7.83	14.00	17.02	3.00	3.34	5.00	3.95	13.00	54.86	" "
8.61	16.50	16.67	4.00	4.11	5.00	6.02	6.85	57.74	" "
11.48	10.00	10.26	2.50	2.79	5.00	2.30	1.84	71.33	" "
11.87	10.00	10.40	2.50	3.03	5.00	2.45	1.80	70.44	" "
11.16	17.50	16.06	4.00	4.02	10.00	9.26	5.90	53.60	D.
5.13	55.00	53.53	4.00	7.55	2.00	.38	27.15	6.26	As declared on label
6.22	55.00	53.00	4.00	8.82	2.00	.48	28.80	2.68	" "
6.99	17.00	16.94	2.00	2.37	27.00	27.18	11.05	35.47	" "
7.04	13.00	10.44	2.00	2.90	33.00	27.12	13.60	38.90	" "
5.31	55.00	54.97	6.00	13.68	3.00	1.08	24.00	.96	" "
6.25	45.00	45.54	6.00	9.10	3.00	1.19	36.30	1.62	" "
7.51	41.00	40.54	5.00	6.84	13.00	11.67	6.94	26.50	" "
8.88	18.00	18.78	4.50	4.75	6.75	6.16	8.90	52.53	" "
11.01	18.00	19.35	4.25	4.19	6.75	6.19	5.94	53.32	" "
9.91	24.00	24.13	5.00	4.85	9.00	7.91	6.90	46.30	A.
8.91	20.00	22.29	4.50	5.02	9.00	9.14	7.06	47.58	As declared on label
8.59	20.00	19.66	5.00	4.69	9.00	7.33	9.45	50.28	" "
7.64	18.00	20.18	4.50	4.75	9.00	6.36	7.95	53.12	" "
8.23	18.00	18.43	4.50	4.77	5.00	4.98	10.14	53.45	B.
8.91	32.00	32.09	5.00	4.36	10.00	6.11	8.58	39.95	As declared on label
9.04	24.00	22.33	5.00	2.67	12.00	9.48	13.18	43.30	As declared on label
9.00	16.00	16.54	3.60	2.05	12.50	12.25	13.84	46.32	C.
9.49	19.00	19.31	4.00	4.97	7.00	5.88	8.05	52.30	As declared on label

A—Ingredients on label differ from license.

B—Detected Ground Oats and not Oat Meal as declared.

C—Also detected Corn Gluten Meal—unable to detect Cotton Seed Meal.

D—Detected at least 1.506% Ground Screenings.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Thurmont Milling & Supply Assoc. Coop., Inc., Thurmont, Md.	
Brewers Dried Grains & Molasses.....	Thurmont.....
Rye Distillers Dried Grains & Molasses.....	Thurmont.....
32% Thurmont Supplement.....	Thurmont.....
16% Dairy Feed.....	Thurmont.....
Thurmont Laying Mash.....	Thurmont.....
*Thurmont Laying Mash.....	Thurmont.....
Thurmont Growing Mash.....	Thurmont.....
Thurmont Hog Meal.....	Thurmont.....
Tioga Mills, Inc., Waverly, N. Y.	
Ti-O-Ga 32% Feed.....	Hurlock.....
†Tasty Laying Food, with Cod Liver Oil Added.....	Hurlock.....
†Neverfail Grower.....	Hurlock.....
†Or-Co Feed.....	Hurlock.....
†Turkatine.....	Hurlock.....
†Chicatine, with Cod Liver Oil Added.....	Hurlock.....
The Toledo Soybean Products Co., Toledo, Ohio	
"Super Duo" Soybean Oil Meal.....	Hagerstown.....
†"Super Duo" Soybean Oil Meal.....	Maugansville.....
The Tremaine Alfalfa Ranch & Milling Co., Inc., Mesa, Ariz.	
*Tremaine Brand Alfalfa Meal.....	Pocomoke City.....
Jacob Trinley & Sons, Linfield, Pa.	
†Favorite Laying (Complete) Mash.....	Baltimore.....
†Favorite Growing Mash.....	Baltimore.....
†Real Scratch Grains.....	Baltimore.....
Truslow Poultry Farm, Inc., Chestertown, Md.	
Truslow Approved Poultry Mash.....	Chestertown.....
The Ubiko Milling Co., Cincinnati, Ohio	
†Brewers Dried Grains.....	Barnesville.....
*†Clover Bloom Sweet 16% Feed.....	Barnesville.....
†Sunbeam Laying Mash.....	Barnesville.....
†Crusader Horse Feed.....	Barnesville.....
†Ubiko 36% Hog Supplement Cubes.....	Barnesville.....
†Sunbeam Starter & Grower.....	Barnesville.....
†Ubiko Chick Feed.....	Barnesville.....
†Glendale Scratch Feed (No Grit).....	Barnesville.....
Ultra-Life Laboratories, Inc., East St. Louis, Ill.	
Ultra-Life Concentrate.....	Walkersville.....
Union Rendering Co., Inc., Baltimore, Md.	
Nocako.....	Westminster.....
Union Starch & Refining Co., Columbus, Ind.	
†Union Corn Gluten Meal.....	Derwood.....

* Deficient in protein or fat.

† Sampled before registration.

FROM

Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
11.75	20.00	19.90	5.00	4.59	15.00	11.72	3.27	48.77	As declared on label
8.01	15.00	16.08	4.00	5.10	16.00	13.47	3.14	54.20	" "
11.05	32.00	33.63	3.00	4.27	7.00	7.03	6.22	37.80	" "
11.50	16.00	15.33	3.00	2.83	14.00	9.71	6.66	53.97	A,
8.44	20.00	19.40	4.00	4.87	9.00	6.37	9.25	51.67	As declared on label
8.78	20.00	18.87	4.00	4.01	9.00	6.31	7.75	54.28	" "
7.06	16.00	15.53	4.00	4.31	7.00	5.94	9.15	58.01	" "
8.72	16.00	17.11	5.00	5.21	14.00	4.46	6.50	58.00	" "
8.83	32.00	33.54	4.50	4.82	10.00	8.49	10.30	34.02	" "
7.59	20.00	22.11	4.00	4.74	7.50	7.02	9.75	48.79	" "
8.38	16.00	16.85	4.00	3.96	8.00	7.71	8.42	54.68	" "
11.18	18.00	20.49	3.00	3.30	12.00	9.37	9.99	45.67	" "
8.40	23.00	25.18	4.00	5.01	7.50	6.47	11.30	43.64	" "
7.62	18.00	20.71	4.00	3.99	7.50	7.00	8.00	52.68	" "
7.37	41.00	45.37	4.50	4.52	7.00	6.11	6.20	30.43	" "
8.55	41.00	41.94	4.50	4.62	7.00	5.77	6.30	32.82	" "
6.85	16.00	14.92	2.00	1.43	25.00	32.37	8.75	35.68	" "
8.11	18.00	20.27	4.00	4.65	7.50	7.50	7.30	52.17	As declared on label
8.37	16.00	17.99	4.00	4.68	8.00	7.07	7.90	53.99	" "
10.38	10.00	10.09	2.50	2.73	4.00	2.67	2.93	71.20	" "
8.90	18.00	18.43	3.75	3.93	8.00	6.05	6.50	56.19	" "
6.64	24.00	26.59	5.00	4.99	18.00	15.99	4.10	41.69	" "
9.18	16.00	14.93	3.00	3.57	15.00	15.44	11.19	45.69	" "
7.63	20.00	21.41	3.50	4.26	8.00	7.86	10.80	48.04	" "
9.01	9.00	10.60	2.50	2.90	10.00	8.97	3.25	65.27	" "
8.19	36.00	38.96	4.50	4.89	7.00	7.01	14.25	26.70	" "
7.69	17.00	18.87	3.50	4.80	7.00	5.18	11.35	52.11	" "
10.90	9.00	10.15	2.50	2.60	3.50	2.50	1.60	72.25	" "
11.20	9.00	9.50	3.00	3.65	5.00	3.50	1.10	71.06	" "
7.46	22.00	23.25	6.50	10.91	5.50	5.12	17.50	35.76	" "
7.54	10.00	15.80	2.00	3.44	8.00	9.29	6.47	57.46	" "
7.87	41.00	44.84	1.00	1.05	3.00	1.84	2.70	41.70	" "

A—Ingredients on label differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Unique Milling Co., Friendsville, Md.	
Pure Wheat Bran.....	Friendsville
Pure Wheat Middlings.....	Friendsville
The Van Iderstine Co., Long Island City, N. Y.	
Vico High Protein Meat & Bone Scraps for Poultry.....	Keymar
Vico High Protein Meat & Bone Scraps for Poultry.....	Westminster.....
Vico Quality Meat & Bone Scraps for Poultry.....	Taneytown.....
Vico Quality Meat & Bone Scraps for Poultry.....	Taneytown.....
Va.-Md. Dairy Feeders Co., Inc., Baltimore, Md.	
Dried Brewers Grains.....	Gaithersburg.....
Vitality Mills, Inc., Chicago, Ill.	
Vitality Circle Bee 24% Dairy Feed.....	Barnesville.....
†Domino Super Mix, with Molasses.....	Barnesville.....
†Sweet Honey Bee Dairy Feed.....	Cumberland.....
Vitality Homestead Egg Mash.....	Baltimore.....
†Vitality Homestead Egg Mash.....	Barnesville.....
†Vitality Egg Builder.....	Barnesville.....
†Domino Growing Pel-ets.....	Ellicott City
†Vitality Homestead Growing Mash.....	Barnesville.....
†Honey Bee Horse Feed.....	Cumberland.....
†Advance Stock Feed.....	Cumberland.....
†Vitality Homestead 40% Hog Balancer.....	Barnesville.....
†Vitality Hog Grower & Fattener.....	Barnesville.....
†Vitality Flushing Ration.....	Ellicott City
†Vitality Homestead Starting & Growing Mash.....	Barnesville.....
†Domino Chick Pel-ets.....	Ellicott City
†Vitality Chick Starting Ration.....	Barnesville.....
†Domino Chick Feed.....	Ellicott City
†Advance Poultry Scratch.....	Barnesville.....
†Vitality Rabbit Ration, with Pellets.....	Cumberland.....
Wabasha Roller Mill Co., Wabasha, Minn.	
†Big Jo Wheat Middlings, with M. R. S.....	Derwood.....
Walsh & Co., Stemmers Run, Md.	
Ken Wal Prize Laying Mash.....	Stemmers Run.....
Ken-Wal Prize Growing Mash.....	Stemmers Run.....
Ken-Wal Prize Broiler Ration.....	Stemmers Run.....
Ken-Wal Prize Chick Starter & Grower.....	Stemmers Run.....
Ken Wal Brand Chick Developer.....	Stemmers Run.....
Ken-Wal Brand Baby Chick Feed.....	Stemmers Run.....
Ken-Wal Brand Fancy Scratch Feed.....	Stemmers Run.....
Chas. H. Walter, Forrest Hill, Md.	
Pure Wheat Bran.....	Forest Hill.....
*Pure Wheat Middlings.....	Forest Hill.....
Warner Brothers, Lineboro, Md.	
Line Egg Mash.....	Lineboro.....
Warner's Starter & Grower.....	Lineboro.....

* Deficient in protein or fat.

† Sampled before registration.

Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS	
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND				
9.59	14.75	14.74	3.50	4.05	8.00	7.51				
11.05	11.50	13.51	2.00	3.11	2.00	2.26	6.50	58.61	"	"
							3.60	66.47	"	"
7.58	55.00	56.43	5.00	6.11	3.00	3.49	27.75		As declared on lab.A.	
5.92	55.00	57.13	3.00	6.41	3.00	3.29	23.32	3.93		
7.70	50.00	55.11	3.00	3.93	3.00	2.39	29.80	1.07		
6.59	50.00	50.46	3.00	6.67	3.00	2.73	32.60	.95		
5.72	28.00	28.52	6.00	5.96	15.00	14.93	4.20	40.67	"	"
8.20	24.00	26.42	3.50	3.99	11.00	9.84	10.82	40.73	"	"
9.90	24.00	26.62	3.50	3.81	8.00	10.09	10.27	39.31	"	"
9.93	16.00	16.31	3.00	3.41	12.00	11.04	11.11	48.20	"	"
7.86	18.00	19.22	3.50	3.87	8.00	6.84	9.75	52.46	"	"
7.68	18.00	18.25	3.50	4.24	8.00	7.25	10.84	51.74	"	"
8.94	20.00	19.92	4.00	5.27	7.50	6.69	9.34	49.84	"	"
9.04	15.00	17.90	4.50	4.21	5.50	6.34	10.10	52.41	"	"
8.57	16.00	17.72	3.50	5.12	7.00	7.59	7.95	53.05	"	"
11.63	9.00	9.42	3.00	3.23	10.00	6.29	3.86	65.57	"	" B.
7.81	7.00	11.85	2.00	3.49	12.00	10.42	8.80	57.63	"	"
8.07	40.00	40.98	4.00	4.69	10.00	6.42	12.22	27.62	"	"
9.48	15.00	15.04	3.50	3.77	7.00	5.38	6.74	59.59	C. As declared on label	
8.87	14.00	14.39	4.00	4.35	4.00	4.18	8.29	59.92		
7.85	16.00	17.72	3.50	4.47	7.00	7.59	12.86	49.51	"	"
9.34	18.00	19.66	4.00	4.19	5.00	5.33	8.14	53.34	"	"
8.09	17.00	16.94	4.00	4.69	6.50	6.11	7.76	56.41	"	"
10.80	10.00	10.05	2.00	2.20	3.00	2.15	1.25	73.55	"	"
10.72	10.00	10.00	2.00	2.15	6.00	5.40	1.30	70.43	"	"
10.97	13.00	14.10	3.50	3.60	15.00	14.64	7.21	49.48	"	"
8.62	15.60	17.99	4.00	4.54	9.50	7.30	4.75	56.80	As declared on label	
8.35	20.00	20.97	4.00	4.71	7.00	5.56	10.30	50.11		
8.29	18.00	20.18	5.00	6.24	7.00	6.39	11.90	47.00	"	"
8.62	18.00	20.27	4.00	4.38	6.00	4.53	10.20	52.00	"	"
8.45	18.00	19.22	4.00	6.63	5.00	5.01	10.50	50.19	C. As declared on label	
10.80	10.00	10.50	3.00	3.20	3.00	2.20	1.50	71.80		
10.70	10.00	10.50	3.00	3.60	3.00	2.15	1.70	71.36		
11.20	10.00	10.20	3.00	3.40	3.00	2.15	1.30	71.75		
10.69	13.00	14.30	3.50	4.69	9.00	8.42	5.80	56.10	"	"
9.97	13.00	12.65	3.50	2.60	6.00	2.06	1.85	70.87	"	"
8.30	18.00	19.13	4.00	4.76	8.00	7.39	8.75	51.67	"	"
7.82	16.00	16.85	4.00	4.74	7.00	6.89	7.35	56.35	C.	

A—Fat guarantee on label differs from license.

B—Fibre guarantee on label differs from license.

C—Ingredients on label differs from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
C. B. Watkins & Co., Baltimore, Md.	
Foxhall Laying Mash.....	Baltimore.....
Foxhall Hog Feed.....	Baltimore.....
Peerless Scratch Grains	Baltimore.....
Weigel Bros., Oxford, Pa.	
Soft Winter Wheat Middlings, W. G. S.....	Elkton
Western Condensing Co., Petaluma, Calif.	
Pebbles Lacto-G Dried Whey.....	Chewsville
Pebbles Lacto-G Dried Whey.....	Pocomoke City
Westover Mills, Westover, Md.	
Perfection Laying Mash.....	Westover
Jones Mix Starter & Grower.....	Westover
*Pure Wheat Middlings.....	Westover
Perfection Scratch Feed.....	Westover
The Wheatena Corp. Highspire Flour Mills Division Highspire, Pa.	
Pure Winter Wheat Bran.....	Princess Anne
Wheat Gray Shorts M. R. S.....	Princess Anne
M. Floyd Wiley, Keymar, Md.	
Wheat Bran.....	Keymar
Wheat Middlings.....	Keymar
Wilkins Rogers Milling Co., Washington, D. C.	
Grassy Mead 32% Dairy Feed.....	Bel Air.....
Grassy Mead 26% Dairy Feed.....	Bel Air.....
Big 5 Dairy Feed.....	Annapolis.....
Red Raven Egg Mash.....	Annapolis.....
Md. University 1928 Contest Egg Mash.....	Hyattsville.....
Washington Egg Mash.....	Bel Air.....
Washington Growing Mash, With BM.	Annapolis.....
Red Raven 85% Horse Feed.....	Owings.....
Red Raven 85% Horse Feed.....	Baltimore.....
Grassy Mead Special 21% Hog Feed.....	Owings.....
Grassy Mead Calf Meal.....	Upper Marlboro
Corn Feed Meal.....	Bel Air.....
Pure Wheat Bran.....	Upper Marlboro
Pure Wheat Bran.....	Owings.....
*Pure Wheat Middlings.....	Owings.....
Washington Pure Wheat Middlings	Hyattsville.....
Washington Baby Chick Mash, with BM. & Cod Liver Oil.....	Bel Air.....
Washington Intermediate Scratch	Upper Marlboro
Washington Scratch Feed.....	Bel Air.....
Producer Scratch Feed.....	Owings.....
Washington Turkey Developer Mash.....	Upper Marlboro
Washington Turkey Starter Mash.....	Upper Marlboro
Oscar Wyatt, Greensboro, Md.	
Wyatt's Laying Mash.....	Greensboro.....

* Deficient in protein or fat.

Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
8.06	20.13	22.99	4.85	5.48	8.25	8.54	9.25	45.68	As declared on label
7.98	15.25	17.46	2.98	3.69	7.33	9.75	8.10	53.02	" "
10.90	10.00	9.92	3.00	3.50	5.00	3.40	1.25	71.03	" "
7.09	14.00	13.78	4.00	3.74	8.00	4.24	2.65	68.50	" "
	12.00	12.72	.50	X.62			8.75		As declared on label
	12.00	12.29	.50	X.66			9.27		" "
7.85	20.00	20.45	4.00	4.96	8.00	8.59	10.00	48.15	" "
8.62	17.00	17.72	5.00	5.24	6.00	6.07	8.40	53.95	" "
10.85	13.00	12.29	3.50	2.65	5.00	3.21	2.20	68.80	" "
11.30	9.00	9.25	2.50	2.65	5.00	4.30	1.80	70.70	" "
8.22	13.00	13.51	3.00	4.37	9.50	9.79	6.45	57.66	" "
8.87	13.00	14.30	3.00	4.38	6.50	5.19	3.95	63.31	" "
9.74	15.00	15.18	3.00	3.99	9.00	10.94	6.30	53.85	" "
8.38	14.00	14.22	3.00	3.88	5.00	4.29	3.85	65.38	" "
6.86	32.00	32.21	5.00	6.04	10.00	9.72	7.40	37.77	" "
7.09	26.00	27.03	5.00	5.08	9.00	8.61	5.60	46.59	" "
8.37	20.00	20.36	5.00	5.14	12.00	10.12	5.64	50.37	" "
8.16	18.00	19.66	4.50	5.39	9.00	5.79	7.35	53.65	A.
7.77	20.00	20.62	5.00	6.12	7.00	4.78	10.75	49.96	As declared on label
7.49	22.00	23.87	5.00	5.46	8.00	4.65	13.75	44.78	B.
7.78	17.00	17.81	5.00	5.03	6.00	5.47	8.50	55.41	As declared on label
10.90	8.00	9.84	3.00	3.29	10.00	7.48	3.16	65.33	" "
10.33	8.00	9.36	3.00	3.29	10.00	7.99	3.37	65.66	" "
8.29	21.00	20.97	6.00	5.26	7.00	7.56	9.40	48.52	" "
7.02	22.00	22.90	4.50	5.84	6.00	5.90	5.00	53.34	" "
9.46	9.00	9.30	4.00	4.69	6.00	3.89	2.10	70.56	" "
8.85	14.00	14.22	4.00	2.99	9.00	9.42	7.30	57.22	" "
8.15	14.00	13.78	4.00	3.80	9.00	10.78	7.10	56.39	As declared on label
8.82	15.50	15.09	4.00	3.06	7.00	3.66	4.90	64.47	" "
9.28	15.00	14.48	4.00	3.68	7.00	3.75	3.70	65.11	" "
8.60	18.00	17.20	4.50	5.00	5.50	4.29	9.20	55.71	C.
10.90	10.00	10.15	2.50	2.75	3.00	2.50	1.40	72.30	As declared on label
10.93	10.00	10.22	2.50	2.83	4.00	2.07	1.30	72.65	D.
10.50	10.00	10.11	2.50	2.60	4.00	3.70	1.25	71.84	E.
8.57	20.00	20.27	4.50	4.89	8.00	6.44	9.40	50.43	C.
8.07	22.00	23.34	5.00	5.08	7.00	4.79	11.50	47.22	C.
7.98	19.50	18.52	5.00	4.25	5.50	9.41	10.40	49.44	As declared on label

A—Unable to detect Linseed Oil Meal—also detected Soybean Oil Meal.

B—Unable to detect Linseed Oil Meal.

C—Ingredients on label differ from license.

D—Unable to detect Sunflower Seed.

E—Also detected Kafir Corn, Milo Maize and Sunflower Seed.

X—Fat as determined by the Roes-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Allied Mills, Inc., Chicago, Ill. Wayne Dog Food Krums.....	Salisbury
Austins Dog Food Division, Loose-Wiles Biscuit Co., Long Island City, N. Y. Austin Special Cat Food.....	Baltimore.....
The Baltimore Feed & Grain Co., Baltimore, Md. *Steako Dog & Puppy Food.....	La Plata.....
Battle Creek Dog Food Co., Battle Creek, Mich. Miller's Kibbles..... Miller's Quick Lunch..... Miller's Meaties..... Miller's Ration.....	Baltimore..... Baltimore..... Baltimore..... Baltimore.....
Bay State Fishing Co., Boston, Mass. Jack & Jill Cat Food.....	Baltimore.....
The Beacon Milling Co., Inc., Cayuga, N. Y. Beacon Dog Pellets.....	Princess Anne
H. H. Borchers & Sons, Baltimore, Md. Mel-Rah Food for Dogs, Cats & Foxes.....	Baltimore.....
Bowman Bros., Gaithersburg, Md. Gilt Edge Dog Feed..... *Gilt Edge Dog Feed.....	Gaithersburg
Calo Food Products, Inc., Oakland, Calif. Calo Cat Food..... Calo Dog Food..... *Calo Dog Food.....	Baltimore..... Baltimore..... Cumberland.....
Champion Animal Food Co., Minneapolis, Minn. ‡North Star Kibbled Dog Food.....	Baltimore.....
Chappel Bros., Inc., Rockford, Ill. Ken-L-Ration..... Ken-L-Worth..... Kit-E-Ration..... Maro-Meat.....	Hagerstown
Coast Fishing Co., Wilmington, Calif. ‡Puss 'N Boots..... Puss 'N Boots.....	Baltimore..... Hagerstown.....
The Continental Milling & Feed Co., Ellicott City, Md. Polka Dot Hunting Dog Ration.....	Ellicott City
Cooperative G. L. F. Mills, Inc., Buffalo, N. Y. Dog Food.....	Cumberland.....

‡ Sampled before registration.

† Deficient in both protein or fat.

* Deficient in protein or fat.

FEED

Ash	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
6.45	25.00	26.94	4.00	4.53	5.00	4.75	10.40	46.93	
7.03	18.00	22.38	1.00	1.96	2.50	1.05	1.46	66.12	A.
7.92	30.00	30.01	6.00	5.24	6.00	6.31	10.10	40.42	
6.85	18.00	17.99	1.00	.91	2.00	.57	5.50	68.18	
71.38	10.00	10.39	2.00	2.61	1.00	.82	1.74	13.06	
7.24	15.00	18.52	1.00	2.94	3.50	1.63	9.35	60.32	
6.70	15.00	18.16	1.00	3.41	3.50	1.46	7.70	62.57	
69.27	20.40	19.90	.50	.47	.10	.15			
6.86	24.00	25.80	3.00	5.28	5.00	2.77	8.45	50.84	
76.81	10.50	12.07	3.00	2.83	1.00	.77	1.02	6.40	
8.11	25.00	26.15	5.00	5.48	7.00	6.03	10.65	43.58	B.
8.66	25.00	23.87	5.00	4.92	9.00	6.50	13.64	42.41	
72.21	8.00	9.55	2.25	2.79	.50	.70	3.29	11.46	
70.17	10.00	10.08	3.00	2.54	1.00	.97	2.67	13.57	B.
69.00	10.00	10.87	3.00	2.31	1.00	.81	4.10	12.91	B.
7.47	19.00	18.08	1.75	2.67	3.50	4.60	5.00	62.18	
68.47	10.00	9.57	2.00	3.24	1.00	1.75	3.68	13.29	
6.41	20.00	19.13	2.00	3.67	2.00	1.79	4.70	64.30	A.
66.55	10.00	13.09	1.00	4.33	2.00	1.73	4.82	9.48	
70.09	10.00	17.41	2.00	5.71	1.25	.43	1.57	4.79	
69.81	14.00	12.87	6.00	4.64	1.00	.61	3.13	8.94	
67.53	14.00	15.49	6.00	5.99	1.00	1.32	3.54	6.13	
9.16	32.00	33.96	5.00	6.21	4.00	2.99	12.50	35.18	
6.67	24.00	26.68	3.00	4.74	5.00	2.61			

A—Ingredients on label differ from license.

B—Fibre guarantee on label differs from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Daily Packing Co., Chicago, Ill. *Daily Dog Food.....	Oakland
The Derwood Mill, Derwood, Md. Derwood Dog Food.....	Derwood.....
Dietrich & Gambrill, Inc., Frederick, Md. D. & G. Dog Food Biscuit Broken.....	Reisterstown
*Mighty Good Dog Food.....	Berlin.....
Mighty Good Dog Food.....	Reisterstown
Dog & Cat Food Products, Inc., Brooklyn, N. Y. ‡‡Flag Dog Food.....	Baltimore.....
Doggie Dinner Division of the Loudon Packing Co., Terre Haute, Ind. Doggie Dinner.....	Baltimore.....
Doyle Packing Co., Newark, N. J. *Strongheart.....	Baltimore.....
East Coast Products Co., Baltimore, Md. ‡Silver Boy Brand Dog & Cat Food.....	Sunderland.....
Eastern States Farmers' Exchange, Springfield, Mass. *Dog Feed	Salisbury
Federline Brothers, Bethesda, Md. *Peper.....	Silver Spring
Frey Association Houses, Baltimore, Md. Queen Choice Dog & Cat Food.....	Laurel.....
Gaines Food Co., Sherbourne, N. Y. ‡‡Gaines Formula 107 A.....	Baltimore.....
Gaines Meat & Milk Meal Cooked.....	Centreville.....
Gaines Meat & Milk Meal Cooked.....	Hagerstown
Gaines Krunchon	Centreville.....
Hales & Hunter Co., Chicago, Ill. Lucky Dog Pellets.....	Annapolis.....
Lucky Dog Supplement.....	Annapolis.....
Jerusalem Mills, Kingsville, Md. Dog Feed.....	Kingsville.....
Kasco Mills, Inc., Waverly, N. Y. Kasco Complete Dog Ration.....	Baltimore.....
The Kennel Food Supply Co., Fairfield, Conn. C. F. Meat Biscuit Whole or Broken.....	Baltimore.....
Plain Biscuits Whole or Broken.....	Baltimore.....

* Deficient in protein or fat.

† Deficient in both protein or fat.

‡ Sampled before registration.

Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
70.92	12.00	12.40	3.00	2.41	1.50	1.41	4.30	8.56	
7.97	25.00	26.59	4.00	5.21	4.00	3.09	13.55	43.59	
5.97	20.00	23.25	2.50	2.51	2.00	2.24	7.45	58.58	
10.63	18.00	19.97	4.00	2.99	3.00	3.44	8.50	54.47	
8.54	18.00	19.99	4.00	3.14	3.00	3.44	7.61	57.28	
77.91	8.00	6.75	2.00	.97	2.00	.99	2.20	11.18	
65.50	10.00	12.02	2.75	3.05	1.00	1.37	5.71	12.35	
75.70	7.50	8.36	2.00	1.04	1.00	1.06	2.22	11.62	
78.69	7.00	6.04	1.50	1.07	2.00	1.17	1.32	11.71	
7.53	22.50	20.36	4.00	4.13	3.50	2.44	8.05	57.49	
69.82	10.00	9.8	9.00	8.39	1.00	.99	3.81	7.19	
77.02	7.00	7.28	2.00	1.85	1.50	1.17	1.87	10.81	
	38.16	36.15	41.00	35.93			5.65		
6.02	23.00	27.64	3.00	4.63	4.00	3.49	14.10	44.12	
6.53	23.00	28.52	3.00	4.83	4.00	3.99	14.24	41.89	
6.79	23.00	27.55	3.00	4.66	4.00	3.93	13.30	43.77	
8.26	24.00	25.80	4.00	5.81	6.00	2.35	8.44	49.34	
8.01	22.00	25.04	4.00	5.59	6.00	4.91	7.18	49.27	
8.97	25.00	25.27	4.00	5.49	4.50	4.16	10.20	45.91	
7.37	22.00	29.48	4.00	4.32	4.00	3.21	10.15	45.47	
7.28	20.00	21.67	2.00	2.09	2.00	1.68	4.45	62.83	
7.09	16.00	18.60	1.00	1.41	3.00	1.15	6.20	65.19	

MANUFACTURER AND BRAND NAME	SAMPLED FROM
C. D. Kenny Co., Baltimore, Md. Spunky.....	Baltimore.....
The Lakewood Food Products Co., Baltimore, Md. Chummy Brand Dog & Cat Food.....	Baltimore.....
R. H. Lansdale, Sandy Spring, Md. Mack Waters Dog Feed.....	Sandy Spring.....
Lardan Packing Co., Inc., Ozone Park Long Island, N. Y. Omar Dog Food.....	Baltimore.....
Lord-Mott Co., Baltimore, Md. Imperial Brand Dog and Cat Food.....	Baltimore.....
Mankind Sales Corp., Forest Hills, N. Y. Man-Kind Dog Food.....	Baltimore.....
Marco Animal Foods, Inc., Philadelphia, Pa. ‡Marco Dog & Cat Food.....	Oakland.....
The Meat Products Co., Cleveland, Ohio Bresko Granular Ration.....	Baltimore.....
Modern Food Process Co., Philadelphia, Pa. Thrivo Dog & Cat Food.....	Hagerstown.....
John Morrell & Co., Ottumwa, Iowa Red Heart Dog Biscuits..... Red Heart Dog Food—Diet A..... Red Heart Dog Food—Diet B..... Red Heart Dog Food—Diet C.....	Baltimore..... Hagerstown..... Hagerstown..... Hagerstown.....
National Biscuit Co., New York, N. Y. Milk-Bone Brand Tiny-Bits..... Junior Milk-Bone Brand Dog & Puppy Biscuit.....	Baltimore..... Baltimore.....
National Coast Products Corp., Swedesboro, N. J. Dog Saver Dog & Cat Food..... Lykit.....	Riverdale..... Hagerstown.....
Old Fort Mills, Inc., Harrisburg, Pa. Old Fort Dog Feed.....	Cumberland.....
Old Trusty Dog Food Co., Needham Heights, Mass. ‡All Terrier Food..... Old Trusty Bovex..... ‡*Bone Shaped Biscuit..... ‡Puppy Meal..... ‡*Crowns..... ‡Tit Bits.....	Baltimore..... Baltimore..... Baltimore..... Baltimore..... Baltimore..... Baltimore.....

* Deficient in protein or fat.

‡ Sampled before registration.

Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
75.10	7.00	8.97	2.00	1.77	1.00	1.24	1.91	11.01	
71.89	7.00	8.67	1.00	.86	2.00	1.76	2.87	13.95	
9.15	20.00	20.63	4.50	5.22	3.00	2.35	10.40	52.25	
74.22	6.55	7.22	1.50	1.67	1.00	1.50	2.19	13.20	
61.11	7.00	11.74	1.00	1.87	1.00	2.02	1.88	21.38	
65.95	11.00	12.45	3.00	2.85	1.50	1.27	3.61	13.87	
65.30	10.50	19.93	2.00	7.03	1.00	.92	8.18	7.64	
7.28	23.00	25.36	2.00	3.99	4.00	3.31	13.25	46.81	
66.70	10.00	13.35	3.00	5.66	2.00	2.16	3.74	8.39	
8.11	25.00	26.06	2.00	2.96	2.00	1.82	8.90	52.15	
72.87	10.50	10.54	2.50	2.61	1.00	.73	2.48	10.77	
68.28	10.50	11.04	2.50	3.79	1.00	.88	2.99	13.02	
75.37	10.50	9.71	2.50	3.06	1.00	.69	1.98	9.19	
6.67	20.00	22.20	1.50	1.82	2.50	1.97	6.14	61.20	
6.78	20.00	20.01	1.50	2.04	2.50	1.82	5.89	63.46	
76.73	7.00	7.77	2.00	1.74	1.50	1.06	1.78	10.92	
75.93	8.00	7.96	2.00	2.26	1.50	1.33	2.45	10.07	A.
8.00	30.00	32.60	5.00	4.70	8.00	5.54	12.17	36.99	B.
6.36	18.82	24.04	1.41	1.51	.54	1.13	4.80	62.16	
73.18	10.00	10.29	2.00	2.69	1.00	.54	2.38	10.92	
6.36	20.00	23.34	2.50	1.99	1.75	1.01	4.85	62.45	
6.58	18.82	23.34	1.41	1.64	.54	.89	6.70	60.85	
6.31	20.00	23.43	2.50	1.57	1.75	1.07	5.95	61.67	
6.37	18.82	21.41	1.41	1.12	.54	.79	2.65	67.66	

A—Ingredients; protein and fibre guarantee on label differ from license.

B—Ingredients on label differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Packer Products Co., Philadelphia, Pa.	
*Dart.....	Baltimore.....
*Paco.....	Baltimore.....
Pet Food Sales Co., Distributors, New York, N. Y.	
†*Terry Dog & Cat Food.....	Riverdale.....
Pratt Food Co., Buffalo, N. Y.	
†Pratt's Dog Food Cubed.....	Baltimore.....
†Pratt's Dog Food (Meal).....	Baltimore.....
†Pratt's Kibbles.....	Baltimore.....
Ralston Purina Co., St. Louis, Mo.	
Purina Dog Chow Checker.....	Rapeseburg.....
Purina Dog Chow Meal.....	Rapeseburg.....
Republic Food Products Co., Chicago, Ill.	
†Vim Dog Food.....	Frostburg.....
Rex Dog Food Products Co., Glendale, Brooklyn, N. Y.	
†Rex Dog Food.....	Baltimore.....
Rich Products Corp., Rockford, Ill.	
*Evr Redy.....	Baltimore.....
Rival Packing Co., Chicago, Ill.	
Rival Dog Food.....	Oakland.....
Royal Clover Distributing Co., Baltimore, Md.	
††Prattdale Dog & Cat Food.....	Baltimore.....
The Wm. Schludenberg-T. J. Kurdle Co., Baltimore, Md.	
†Spark.....	Laurel.....
Sturdy Dog Food Co., Inc., Syracuse, N. Y.	
Sturdy Dog Food Granular Meal.....	Easton.....
Sturdy Milk & Meat Kibble.....	Easton.....
Swift & Co., Chicago, Ill.	
Pard Dog Food.....	Hagerstown.....
The Thorobread Co., Cincinnati, Ohio	
Thorobread (Canned) Dog Food.....	Pocomoke City.....
*Thorobread Dog & Puppy Food.....	Frostburg.....
Trophy (Canned) Dog Food.....	Frostburg.....
Vimpep Foods, Inc., Cambridge, Md.	
Smarty.....	Baltimore.....
Vita-Fresh Dog Food Corp., Lic, N. Y.	
*Vita-Best Dog Meal.....	Baltimore.....
*Vita-Best Dog Meal.....	Easton.....

* Deficient in protein or fat.

† Deficient in both protein or fat.

‡ Sampled before registration.

Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
73.83	6.50	8.32	2.50	1.54	1.00	1.25	3.42	11.64	A.
66.72	6.50	9.06	2.00	1.43	1.00	1.57	2.86	18.36	
74.00	7.00	7.71	2.00	.81	1.00	1.44	2.32	13.72	B.
7.29	22.00	22.11	3.00	5.39	5.00	2.76	10.45	52.00	
6.90	22.00	23.17	3.00	4.88	5.00	2.48	11.25	51.32	
7.21	22.00	24.82	3.00	3.46	5.00	3.14	7.45	53.92	
6.99	20.00	23.69	3.00	6.45	6.00	3.89	6.30	52.68	B.
6.45	23.00	26.68	4.00	5.87	6.00	4.29	7.10	49.61	
71.34	10.00	9.65	2.00	3.94	1.25	.62	1.85	12.60	
75.04	7.00	7.13	1.25	.98	1.03	1.24			
69.77	10.00	8.54	2.00	3.72	1.00	.83	5.61	11.53	B.
72.20	10.00	11.50	2.50	3.27	1.00	.84	1.05	11.14	
77.11	8.00	6.82	2.10	.82	1.00	1.04	2.04	12.17	
75.99	7.00	8.11	2.00	1.92	1.50	1.34	2.21	10.43	
6.01	20.00	23.25	2.50	3.52	5.00	4.98	12.65	49.59	B.
5.42	18.80	18.87	1.05	1.61	1.50	2.01	5.85	66.24	
71.14	10.50	11.31	2.50	4.99	1.00	.79	1.52	10.25	
70.36	10.00	13.18	2.00	2.84	1.00	1.24	2.67	9.71	
6.04	17.50	17.11	5.25	4.46	3.20	3.67	10.70	58.02	B.
70.95	7.00	8.62	1.25	2.16	1.50	1.15	2.21	14.91	
73.40	7.00	7.30	2.00	1.90	1.00	1.11	2.59	13.70	
7.17	26.67	28.52	4.50	3.42	3.36	2.70	15.95	42.24	
6.84	26.67	28.43	4.50	3.23	3.36	2.68	16.25	42.57	

A—Fat and Fibre guarantee on label differ from license.
 B—Ingredients on label differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Vitality Mills, Inc., Chicago, Ill.	
*Vitality Biscuit Food for Dogs.....	Baltimore.....
True Value Dog Food.....	Baltimore.....
Wilson & Co., Chicago, Ill.	
Ideal Dog Food.....	Hagerstown

* Deficient in protein or fat.

MINERAL

MANUFACTURER AND BRAND NAME	SAMPLED FROM
The Atlantic Supply Co., Baltimore, Md.	
‡Pro-Tex Base.....	Upper Marlboro
Pro-Tex.....	Salisbury
Pro-Tex.....	Union Bridge.....
Bradley & Baker, Baltimore, Md.	
Bocalphos.....	Hampstead.....
Sea Board Supply Co., Inc., Philadelphia, Pa.	
Sea Board Colloidal Minerals.....	Pocomoke City
Sea Board Soluble Minerals.....	Pocomoke City

‡ Sampled before registration.

Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
7.36	20.00	21.41	2.00	.95	2.00	1.09	6.65	62.54	A.
6.31	20.00	27.64	3.00	4.31	5.00	4.73	16.40	40.61	
70.68	10.00	10.06	2.00	4.29	1.00	.66	3.66	10.65	

A—Ingredients on label differ from license.

FEED

CALCIUM CA		PHOSPHORUS P		SALT	
Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND
25.00	35.35	7.00	9.04		
25.73	33.34	6.55	6.73	10.00	8.91
25.73	33.34	6.55	6.81	10.00	8.08
20.00	28.29	8.00	11.40		
21.00	16.90	9.00	8.69		
25.00	31.15	7.00	7.90	8.00	5.77

LIME ANALYSES

Pages immediately following contain results obtained in the examination of agricultural liming materials.

Limes are considered seriously deficient with respect to chemical analysis when they are one per cent low in total oxides.

ANALYSES OF AGRICULTURAL BURNT LIME (OXIDES)

No.	Manufacturer and Brand	Place Sampled	Calcium Oxide CaO		Magnesium Oxide MgO		Total Oxides CaO—MgO		Carbonates CaCO ₃		Sand & Insol.
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	
4194	S. W. Barrick & Sons, Inc., Woodsboro, Md.	Woodsboro	85.00	94.90	2.00	1.26	87.00	96.16	1.02	.53	
4195	†Barrick's Lump Lime	Woodsboro	75.00	78.20	2.00	5.64	77.00	83.84	4.97	6.52	
4174	L. Frank Carraugh, Hagerstown, Md.	Cearfross	80.00	83.00	2.00	2.39	82.00	85.39	8.34	2.33	
4219	*†Ground Burned Lime	Hagerstown	75.00	68.00	2.00	3.11	77.00	71.11	5.66	7.58	
4175	The Cavetown Planing Mill Co., Cavetown, Md.	Cavetown	80.00	74.50	2.00	22.70	82.00	97.20	.82	.42	
4176	†Ground Lime	Cavetown	80.00	77.80	2.00	11.07	82.00	88.87	6.53	3.48	
4177	Chas. L. Forsythe, Hagerstown, Md.	Cearfross	91.00	86.60	3.37	2.07	94.37	88.67	2.45	4.88	
4197	M. J. Grove Lime Co., Inc., Lime Kiln, Md.	Frederick	86.00	84.50	4.00	10.19	90.00	94.69	3.44	.26	
4222	†Famous Frederick Co. Agric. Lump Lime	Lime Kiln	75.00	74.75	5.00	8.85	80.00	83.60	2.95	3.28	
4220	Keystone Lime Co., Springs, Pa.		90.00	92.65	1.50	.94	91.50	93.59	4.45	.68	
4224	Legore Lime Co., Legore, Md.	Legore	80.00	94.90	3.00	1.57	83.00	96.47	3.00	1.03	
4225	†LeGore's Lump Lime	Legore	75.00	76.90	5.00	7.09	80.00	83.99	3.00	7.51	
	†LeGore's Ground Burnt Lime										

4200	Everett V. Moser, Middletown, Md.
4201	*Lump Lime.....
	*†Ground Burned Lime
4211	National Gypsum Co., Buffalo, N. Y. Big Yield Quicklime.....
4228	Edward Savage, Friendsville, Md. Lump Lime.....
4183	Stanley Schetrom, Clear Spring, Md. Lump Lime.....
4182	†Ground Lime
4203	Shank & Etzler Lime Co., Frederick, Md. Agric. Lump Lime.....
4181	Shinham Lime & Fertilizer Co., Harper's Ferry, W. Va. Lump Lime.....
4171	†Ground Burned & Rock Phosphate
4229	Spencer Lime Co., Accident, Md. Lump Lime.....
4192	Stearcy & Wilton Co., Wrightsville, Pa. †“Sterling” Brand Ground Burned Lime
4168	†“Sterling” Brand Ground Burned Lime
4205 L-79	Stoner & Powell, Woodsboro, Md. Old Reliable Fountain Rock Lump Lime
	†Old Reliable Fountain Rock Ground Lime
4215	Thomas Stone & Lime Co., Thomasville, Pa. *†Thomas Pulverized Quicklime
4208	†Thomasville Pulverized Quicklime

* Product deficient in total oxides.

† Mechanical analysis of Ground Burnt Lime see Page 12.

†† Sampled before registration.

**** Available Phosphoric Acid,**

ANALYSES OF AGRICULTURAL HYDRATED LIME

No.	Manufacturer and Brand	Place Sampled	Calcium Oxide CaO		Magnesium Oxide MgO		Total Oxides CaO—MgO		Carbonates CaCO ₃		Sand & Insol.
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	
4165	J. E. Baker Co., York, Pa. †Susquehanna Hydrated Lime.....	Denton.....	70.00	66.55	2.00	9.04	72.00	75.59	2.75	.....	.27
4196	S. W. Barrick & Sons, Inc., Woodsboro, Md. †Barrick's Hydrated Lime.....	Woodsboro.....	65.00	64.80	2.00	5.65	67.00	70.45	3.00	.....	3.51
4155	†Barrick's Hydrated Lime.....	Clinton	65.00	60.25	2.00	7.39	67.00	67.64	3.00	.....	5.69
4160	Chester Valley Lime Co., Paoli, Pa. ††Chester Valley Hydrated Lime.....	Cambridge.....	46.50	46.35	31.00	32.47	77.50	78.82	.....	.....	1.92
4143	G. & W. H. Corson, Plymouth Meeting, Pa. †Corson's High Magnesium Hydrate	Snow Hill.....	46.50	47.95	31.00	34.21	77.50	82.16	1.00	.....	.62
4198	M. J. Grove Lime Co., Inc., Lime Kiln, Md. †Famous Frederick Co. Hydrated Lime.....	Frederick	65.00	62.20	5.00	9.12	70.00	71.32	.....	.....	3.53
4178	†Famous Frederick Co. Hydrated Lime.....	Hagerstown	65.00	55.70	5.00	16.17	70.00	71.87	.....	.....	4.70
4157	†Famous Frederick Co., Hydrated Lime	Clinton.....	65.00	58.60	5.00	12.92	70.00	71.52	.....	.....	4.22
4153	A. H. Hoffman, Inc., Landisville, Pa. *†Hoffman's Hydrated Lime.....	Baltimore.....	70.00	68.40	1.50	1.29	71.50	69.69	.....	.....	1.97
4179	Keller Lime Co., Inc., Buckeystown, Md. Keller's Hydrated Lime.....	Buckeystown	66.00	66.70	1.50	3.87	67.50	70.57	.....	.....	3.06
4227	Legore Lime Co., Legore, Md. †LeGore's Hydrated Lime.....	LeGore.....	65.00	67.75	5.00	5.25	70.00	73.00	3.00	.....	1.74
4213	†LeGore's Hydrated Lime.....	Reisterstown	65.00	64.00	5.00	6.52	70.00	70.52	3.00	.....	2.73
4217	Maryland Tobacco Growers Association, Baltimore, Md. †Md. Assoc. Brand Agric. Hydrated Lime	Baltimore.....	46.50	47.60	31.00	33.49	77.50	81.09	2.50	.....	.61
4216	†Md. Assoc. Brand Agric. Hydrated Lime	Upper Marl.....	46.50	47.65	31.00	32.87	77.50	80.52	2.50	.....	.35
4210	H. E. Millard, Annaville, Pa. †Sweet Arrow Hydrated Lime.....	Chestertown	70.00	70.95	1.00	1.06	71.00	72.01	1.50	.....	.95
4167	†Millards Modern Magnesium Hydrated Lime	Church Hill	52.00	56.90	20.00	19.80	72.00	76.70	1.50		

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4217	†Md. Assoc. Brand Agric. Hydrated Lime.	Baltimore.....	46.50	47.60	31.00	33.49	77.50	81.09	2.50	.61
4216	†Md. Assoc. Brand Agric. Hydrated Lime.	Upper Marl.....	46.50	47.65	31.00	32.87	77.50	80.52	2.50	.35
4210	H. E. Millard, Annullville, Pa.	Chestertown.....	70.00	70.95	1.00	1.06	71.00	72.01	1.50	.95
4167	†Sweet Arrow Hydrated Lime.	Church Hill.....	52.00	56.90	20.00	19.80	72.00	76.70	1.50	.57
4202	National Gypsum Co., Buffalo, N. Y.	Westminster.....	70.00	71.95	2.00	1.81	72.00	73.76		.59
4191	†Palmer Hydrated Lime.....	Rising Sun.....	70.00	71.70	2.00	1.62	72.00	73.32		.27
4161	†Gold Bond Hydrated Lime.....	Cambridge.....	71.00	72.35	1.00	1.96	72.00	74.31		.42
4223	New Enterprise Stone & Lime Co., New Enterprise, Pa.	Cumberland.....	70.00	72.30	2.50	2.15	72.50	74.45		.25
4149	North American Cement Corp., New York, N.Y. †Berkeley Agric. Hydrate.	Fallston.....	70.00	71.50	2.00	1.79	72.00	73.29		.18
4164	Powhatan Lime Co., Strasburg Junction, Va.	Laurel.....	65.00	71.60	1.50	1.64	66.50	73.24		.59
4158	†Powhatan Farmers Friend Agric. Hyd'd Lime	Frostburg.....	65.00	70.45	1.50	1.59	66.50	72.04		.93
4204	Shank & Etzler Lime Co., Frederick, Md. †Agric. Hydrated Lime.....	Frederick.....	45.00	41.10	20.00	24.55	65.00	65.65		8.80
4184	The Standard Lime & Stone Co., Baltimore, Md.	Jefferson.....	71.00	72.55	1.00	2.38	72.00	74.93		.85
4159	†Standard Agric. Hydrated Lime.....	Baltimore.....	71.00	71.60	1.00	1.51	72.00	73.11		1.25
4150	†Standard Agric. Hydrated Lime.....	Riderwood.....	71.00	72.90	1.00	1.82	72.00	74.72		.86
4144	†Washington Agric. Hydrated Lime.....	Salisbury.....	46.50	45.80	31.00	32.85	77.50	78.65		.83
4170	Stearcy & Wilton Co., Wrightsville, Pa. †"Sterling" Brand Hydrated Lime.....	Denton.....	69.00	71.00	3.00	3.33	72.00	74.33	1.00	.68
#4206	Stoner & Powell, Woodshoro, Md. †Old Reliable Fountain Rock Hydrated Lime.....	Fountain Rock.....	60.00	63.25	2.00	4.62	62.00	67.87		3.23
4152	Thomas Stone & Lime Co., Thomasville, Pa.	Cardiff.....	70.00	70.55	2.00	3.47	72.00	74.02	2.75	.30
4145	†Thomasville Hydrated Lime.....	Snow Hill.....	46.50	48.00	31.00	34.27	77.50	82.27	3.00	.51
	Warner Co., Philadelphia, Pa. †Warner "Limoid" (Hydrated Lime).....									

† Mechanical analysis of Hydrated Lime, see page 12.

* Product deficient in total oxides.

† Guarantee on bag differs from license.
‡ Sampled before registration.

ANALYSES OF AGRICULTURAL LIMESTONE, MARL AND OYSTER SHELLS

No.	Manufacturer and Brand	Place Sampled	Calcium Oxide CaO		Magnesium Oxide MgO		Total Oxides CaO—MgO		Sand & Insol.
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	
4212	J. E. Baker Co., York, Pa.	Denton.....	30.00	28.60	20.00	20.40	50.00	49.00	7.69
4209	†*Hy-Mag Ground Limestone †Snowflake Ground Limestone	Centreville	52.00	49.60	2.00	4.92	54.00	54.52	1.41
†4193	S. W. Barrick & Sons, Inc., Woodsboro, Md. †Air Floated Pulverized Limestone	Ridgely	52.00	50.35	2.00	4.42	54.00	54.77	1.74
4142	F. & H. Benning Oyster & Lime Co., Galesville, Md. †Ground Oyster Shell Brand	Galesville	49.00	49.75	.50	.71	49.50	50.46	5.82
4231	W. W. Bowling, Newport, Md. Bowling's Oyster Shells	Newport	51.00	46.80	.50	.37	51.50	47.17	9.89
4172	Herbert Bryant, Inc., Alexandria, Va. †Pulverized Oyster Shells.....	Dickerson	45.00	45.20	.50	.61	45.50	45.81	14.04
4188	L. H. Burton, Texas, Md. †Dolomite	Texas.....	27.00	26.85	18.00	19.43	45.00	46.28	11.29
4189	Harry T. Campbell Sons' Co., Towson, Md.	Texas.....	30.00	30.90	14.00	18.23	44.00	49.13	7.76
4147	†Campbell's Pulverized Limestone †Campbell's H. T. C. Special	Texas.....	54.00	54.60	1.00	.56	55.00	55.16	1.72
4199	M. J. Grove Lime Co., Inc., Lime Kiln, Md. †Pulverized Limestone	Frederick	53.00	54.20	1.00	1.27	54.00	55.47	1.58
4226	Legore Lime Co., Legore, Md. †LeGore's Agric. Limestone	LeGore.....	50.00	52.90	5.00	4.63	55.00	57.53	10.22
4166	H. E. Millard, Annaville, Pa. †Air Floated Pulverized Limestone	Chestertown.....	53.50	53.30	.50	.84	54.00	54.14	3.12

National Gypsum Co., Buffalo, N. Y.

†Challenge Pulverized Limestone

Potomac Poultry Food Co., Inc., Baltimore, Md.

4148

Cardiff

51.00

51.80

3.00

3.72

54.00

55.52

.93

4166 | ...
 †Air Floated Pulverized Limestone 53.50 53.30 .50 .84 54.00 54.14 3.12

4148	National Gypsum Co., Buffalo, N. Y. †Challenge Pulverized Limestone	Cardiff	51.00	51.80	3.00	3.72	54.00	55.52	.93
4162	Potomac Poultry Food Co., Inc., Baltimore, Md. *†Potolime Made for the Soil from Baked Oyster Shells	Crisfield	48.00	46.50	.50	.75	48.50	47.25	11.86
4163	*†Potolime Made for the Soil from Baked Oyster Shells	Laurel	48.00	45.80	.50	.88	48.50	46.68	11.73
4230	Spencer Lime Co., Accident, Md. †Raw Pulverized Limestone	Accident	40.25	44.15	1.11	1.04	41.36	45.19	17.32
4186	The Standard Lime & Stone Co., Baltimore, Md. †Standard Pulverized Limestone	Gaithersburg	53.20	54.55	.50	.82	53.70	55.37	.81
4185	†Standard Pulverized Limestone	Dickerson	53.20	54.65	.50	.69	53.70	55.34	.97
4169	Steady & Wilton Co., Wrightsville, Pa. †Pulverized Limestone	Denton	52.00	49.95	2.00	5.40	54.00	55.35	1.06
4214	Thomasville Stone & Lime Co., Thomasville, Pa. †Thomasville Pulverized Limestone	Upper Marl	53.20	54.50	1.90	1.03	55.10	55.53	.82
4151	†Thomasville Pulverized Limestone	Fallston	53.20	54.65	1.90	1.50	55.10	56.15	.18

* Product deficient in total oxides.

† Mechanical analysis of Ground Limestone see page 12.

‡ Sampled before registration.

ANALYSES OF GYPSUM OR LAND PLASTER

No.	Manufacturer and Brand	Place Sampled	Calcium Sulphate		Sand & Insol.	
			Guaranteed	FOUND	Guaranteed	FOUND
4154	The American Agricultural Chemical Co., Baltimore, Md. AA. Fine Ground Nova Scotia Land Plaster	Owings	77.70	78.61	.....	1.13
4232	Southern States Cooperative, Inc., Richmond, Va. Southern States Cooperative Land Plaster	Waldorf	70.00	72.26	.....	2.14

‡ Sampled before registration.

MISCELLANEOUS LIMING PRODUCTS

No.	Manufacturer and Brand	Place Sampled	Calcium Oxide CaO		Magnesium Oxide MgO		Total Oxides CaO—MgO		Carbonates CaCO ₃		Sand & Insol.
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	
4221	Keystone Lime Co., Springs, Pa. †Alfalfa Brand Lime.....	.....	70.00	74.55	3.00	3.91	73.00	78.46	.....	.....	7.36
4180	North American Cement Corp., New York, N.Y. Security Refuse Liming Material.....	Hagerstown	36.00	37.40	2.25	2.31	38.25	39.71	.....	.....	9.74
4187	The Shore Lime Co., Crumpton, Md. Agricultural Lime.....	Elkton.....	34.00	51.70	.....	.....	.....	.....	.....	.....	.90

† Mechanical analysis see page 12.

MECHANICAL ANALYSIS OF GROUND LIMESTONE, GROUND OYSTER SHELLS,
GROUND BURNT LIME AND HYDRATED LIME

No.	Manufacturer and Brand	Place Sampled	Finer than 20 Mesh		Finer than 60 Mesh		Finer than 100 Mesh	
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND
4165	J. E. Baker Co., York, Pa.	Denton.....	100.	100.	100.	100.	99.	100.
4212	Susquehanna Hydrated Lime.	Denton.....	100.	100.	95.	99.	75.	94.
4209	Hy-Mag Ground Limestone.	Centreville.....	100.	100.	100.	100.	99.	99.
4195	S. W. Barrick & Sons, Inc., Woodsboro, Md.	Woodsboro.....	95.	93.	70.	73.	60.	64.
4196	Barrick's Agric. Burned Lime.	Woodsboro.....	100.	99.	90.	95.	86.	91.
4155	Barrick's Hydrated Lime.	Clinton.....	100.	97.	90.	89.	86.	85.
4193	Air Floated Pulverized Limestone.	Ridgely.....	100.	100.	100.	100.	99.	98.
4142	F. & H. Benning Oyster & Lime Co., Galesville, Md.	Galesville.....	93.	63.	53.	38.	44.	28.
4231	W. W. Bowling, Newport, Md.	Newport.....	71.	78.	38.	58.	28.	43.
4172	Herbert Bryant, Inc., Alexandria, Va.	Dickerson.....	90.	85.	68.	40.	34.	27.
4188	L. H. Burton, Texas, Md.	Texas.....	87.	87.	12.	13.	5.	4.
4189	Harry T. Campbell Sons' Co., Towson, Md.	Texas.....	100.	100.	95.	95.	75.	82.
4147	Campbell's Pulverized Limestone	Texas.....	100.	100.	95.	99.	75.	84.
4219	L. Frank Carbaugh, Hagerstown, Md.	Hagerstown.....	71.	71.	56.	56.	50.	50.
	†Ground Burned Lime.							

† No guarantee on license.

**MECHANICAL ANALYSIS OF GROUND LIMESTONE, GROUND OYSTER SHELLS,
GROUND BURNT LIME AND HYDRATED LIME**

No.	Manufacturer and Brand	Place Sampled	Finer than 20 Mesh		Finer than 60 Mesh		Finer than 100 Mesh	
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND
4176	The Cavetown Planing Mill Co., Cavetown, Md. Ground Lime.....	Cavetown.....	56.	62.	42.	43.	39.	36.
4160	Chester Valley Lime Co., Paoli, Pa. Chester Valley Hydrated Lime.....	Cambridge.....	100.	99.	100.	97.	98.	94.
4143	G. & W. H. Corson, Plymouth Meeting, Pa. Corson's High Magnesium Hydrate.....	Snow Hill.....	99.	100.	97.	99.	95.	96.
4222	M. J. Grove Lime Co., Inc., Lime Kiln, Md. Famous Frederick Co. Ground Lime.....	Lime Kiln.....	50.	73.	35.	80.	25.	42.
4198	Famous Frederick Co. Hydrated Lime.....	Frederick.....	100.	100.	99.	97.	90.	90.
4178	Famous Frederick Co. Hydrated Lime.....	Hagerstown.....	100.	100.	99.	96.	90.	91.
4157	Famous Frederick Co. Hydrated Lime.....	Clinton.....	100.	100.	99.	96.	90.	90.
4199	Pulverized Limestone.....	Frederick.....	100.	100.	98.	99.	94.	92.
4153	A. H. Hoffman, Inc., Landisville, Pa. Hoffman's Hydrated Lime.....	Baltimore.....	100.	100.	99.25	100.	99.	98.
4179	Keller Lime Co., Inc., Buckeystown, Md. †Keller's Hydrated Lime.....	Buckeystown.....	.....	100.	.....	99.	.....	96.
4221	Keystone Lime Co., Spring, Pa. †Alfalfa Brand Lime.....	.....	.....	55.	.....	36.	.....	31.
4225	LeGore Lime Co., LeGore, Md. LeGore's Ground Burnt Lime.....	LeGore.....	60.	67.	45.	47.	45.	40.
4227	LeGore's Hydrate Lime.....	LeGore.....	100.	100.	98.	99.	97.	97.
4213	LeGore's Hydrated Lime.....	Reisterstown.....	100.	100.	98.	99.	97.	97.
4226	LeGore's Agric. Limestone.....	LeGore.....	100.	100.	100.	98.	97.	89.

4217	Maryland Tobacco Growers' Asso., Baltimore, Md. Md. Assoc. Brand Agric. Hydrated Lime.....	Baltimore.....	99.90	100.	98.	99.	95.	98.
4216	Md. Assoc. Brand Agric. Hydrated Lime.....	Upper Marl.....	99.00	100.	98.	100.	95.	98.

4213	LeGore's Hydrated Lime.	100.	100.	100.	100.	98.	97.	97.	97.
4226	LeGore's Agric. Limestone.	100.	100.	100.	100.	100.	98.	97.	97.
<i>Maryland Tobacco Growers' Asso., Baltimore, Md.</i>									
4217	Md. Assoc. Brand Agric. Hydrated Lime.	99.90	100.	98.	99.	95.	98.	95.	98.
4216	Md. Assoc. Brand Agric. Hydrated Lime.	99.00	100.	98.	100.	95.	99.	95.	99.
<i>H. E. Millard, Annapolis, Pa.</i>									
4210	Sweet Arrow Hydrated Lime.	100.	100.	99.25	100.	99.	98.	99.	98.
4167	Millard Modern Magnesium Hydrated Lime	100.	100.	99.25	100.	99.	98.	99.	98.
4166	Air Floated Pulverized Limestone.	100.	100.	100.	99.	99.	100.	99.	97.
<i>Everett V. Moser, Middletown, Md.</i>									
4201	Ground Burned Lime.	78.	80.	57.	57.	49.	50.		50.
<i>National Gypsum Co., Buffalo, N. Y.</i>									
4202	Palmer Hydrated Lime.	100.	100.	98.	100.	97.	99.	97.	99.
4191	Palmer Hydrated Lime.	100.	100.	98.	100.	97.	98.	97.	98.
4161	Gold Bond Hydrated Lime.	100.	100.	98.	100.	97.	97.	97.	97.
4148	Challenge Pulverized Limestone.	100.	100.	100.	100.	99.	100.	99.	100.
<i>New Enterprise Stone & Lime Co., New Enterprise, Pa.</i>									
4223	Fort Bedford Chemical Hydrated Lime.	100.	100.	100.	100.	99.	100.	99.	100.
<i>North American Cement Corp., New York, N. Y.</i>									
4149	Berkeley Agric. Hydrate.	100.	100.	99.	100.	98.90	100.	98.90	100.
<i>Potomac Poultry Food Co., Inc., Baltimore, Md.</i>									
4163	Potolime Made for the Soil from Baked Shells.	96.	97.	52.	48.	44.	29.	44.	29.
4162	Potolime Made for Soil from Baked Oyster Shells.	96.	95.	52.	50.	44.	33.	44.	33.
<i>Powhatan Lime Co., Strasburg, Junction, Va.</i>									
4164	Powhatan Farmers Friend Agric. Hydrated Lime.	100.	99.	99.	98.	100.	97.	100.	97.
4158	Powhatan Farmers Friend Agric. Hydrated Lime.	100.	100.	99.	100.	100.	100.	100.	100.
<i>Stanley Schetrom, Clear Spring, Md.</i>									
4182	†Ground Lime.		66.		55.				51.
<i>Shank & Etzler Lime Co., Frederick, Md.</i>									
4204	Agric. Hydrated Lime.	80.	90.	60.	72.	55.	62.		62.
<i>Shinham Lime & Fertilizer Co., Harper's Ferry, W. Va.</i>									
4171	Ground Burned Lime & Rock Phosphate.		87.		58.		47.		47.
<i>Spencer Lime Co., Accident, Md.</i>									
4230	Raw Pulverized Limestone.	80.	86.	50.	53.	40.	42.		42.

† No guarantee on license.

**MECHANICAL ANALYSIS OF GROUND LIMESTONE, GROUND OYSTER SHELLS,
GROUND BURNT LIME AND HYDRATED LIME (Continued)**

No.	Manufacturer and Brand	Place Sampled	Finer than 20 Mesh		Finer than 60 Mesh		Finer than 100 Mesh	
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND
The Standard Lime & Stone Co., Baltimore, Md.								
4184	Standard Agric. Hydrated Lime	Jefferson	100.	100.	99.50	99.	95.	98.
4159	Standard Agric. Hydrated Lime	Baltimore	100.	100.	99.50	100.	95.	100.
4150	Standard Agric. Hydrated Lime	Riderwood	100.	100.	99.50	100.	95.	100.
4144	Washington Agric. Hydrated Lime	Salisbury	99.90	100.	98.	99.	95.	96.
4186	Standard Pulverized Limestone	Gaithersburg	100.	100.	99.90	100.	99.75	99.
4185	Standard Pulverized Limestone	Dickerson	100.	100.	99.90	100.	99.75	99.
Stacey & Wilton Co., Wrightsville, Pa.								
4192	"Sterling" Brand Ground Burnt Lime	Fallston	71.	45.	46.	29.	39.	25.
4168	"Sterling" Brand Ground Burnt Lime	Denton	71.	65.	46.	43.	39.	36.
4170	"Sterling" Brand Hydrated Lime	Denton	100.	100.	99.25	99.	99.	97.
4169	Pulverized Limestone	Denton	100.	100.	100.	100.	100.	100.
Stoner & Powell, Woodsboro, Md.								
L-79	Old Reliable Fountain Rock Ground Lime	Woodsboro	80.	98.	60.	76.	40.	68.
4206	Old Reliable Fountain Rock Hydrated Lime	Fountain Rock	97.	98.	89.	90.	82.	86.
Thomasville Stone & Lime Co., Thomasville, Pa.								
4215	Thomasville Quicklime	Upper Marl.	90.	98.	66.	84.	50.	76.
4208	Thomasville Quicklime	Westminster	90.	93.	66.	74.	50.	64.
4152	Thomasville Hydrated Lime	Cardiff	100.	100.	98.	100.	97.	99.
4214	Thomasville Pulverized Limestone	Upper Marl.	100.	100.	99.50	99.	99.	98.
4151	Thomasville Pulverized Limestone	Fallston	100.	100.	99.50	99.	99.	98.
Warner Co., Philadelphia, Pa.								
4145	Warner "Limoid" (Hydrated Lime)	Snow Hill	100.	100.	97.	99.	95.	98.



